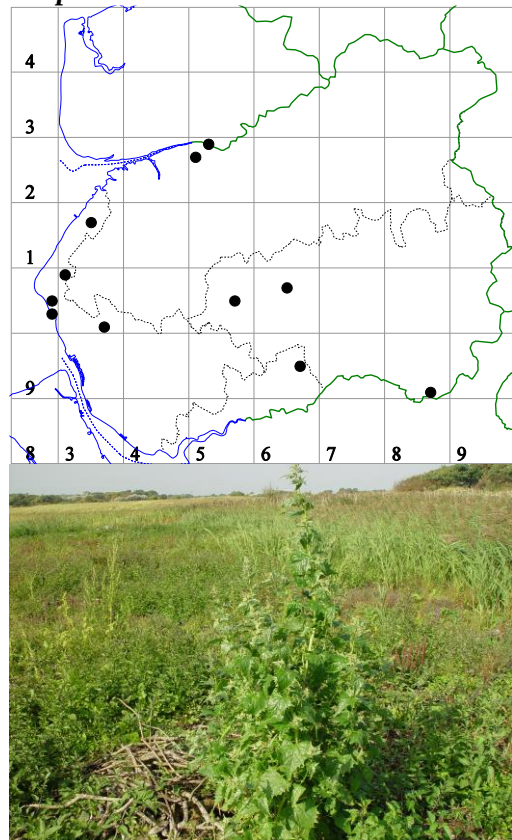


AMARANTHACEAE Goosefoot family

Atriplex hortensis L. Garden Orache



Cabin Hill DP Earl 2006

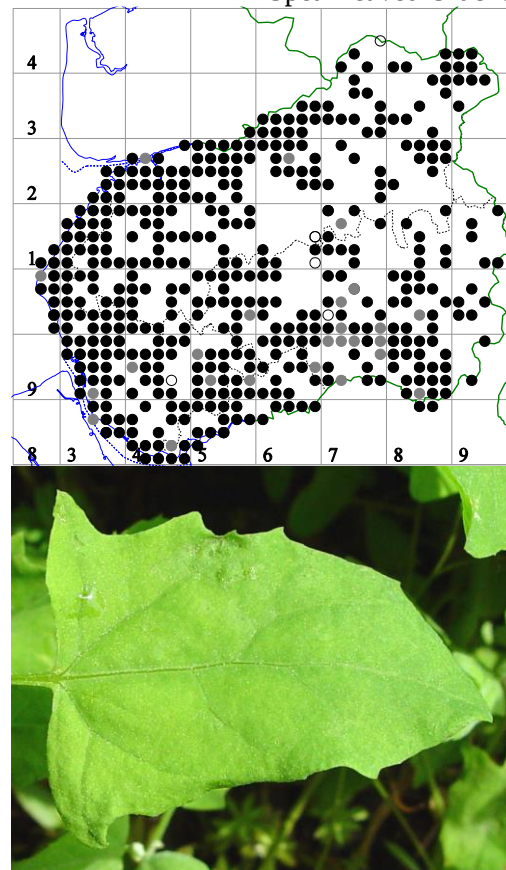
Status & distribution: Neophyte-casual; widely scattered records and probably under-recorded.

Earliest record traced: There is a voucher specimen from the Formby area (SD20, 1928, HD Dovaston).

Habitat: On disturbed ground, spoil heaps, tips and areas sown with wildflower seed.

Comments: Grown for ornament and as a leaf vegetable. May originate from Asia?

Atriplex prostrata Boucher ex DC.
Spear-leaved Orache



Southport DP Earl 2008

Status & distribution: Native, Least Concern (Red List for England); widely distributed, with inland populations increasing markedly in recent times.

Habitat: Saltmarshes; high water mark, sandy and shingle shores, waste ground, tips, manure heaps and road verges.

Comments: Increasingly frequent as a species of salted roadside verges inland and often locally common on trans-Pennine roads.

Atriplex x *gustafssoniana* Taschereau =
A. prostrata x *A. longipes*

Gustafsson's Orache

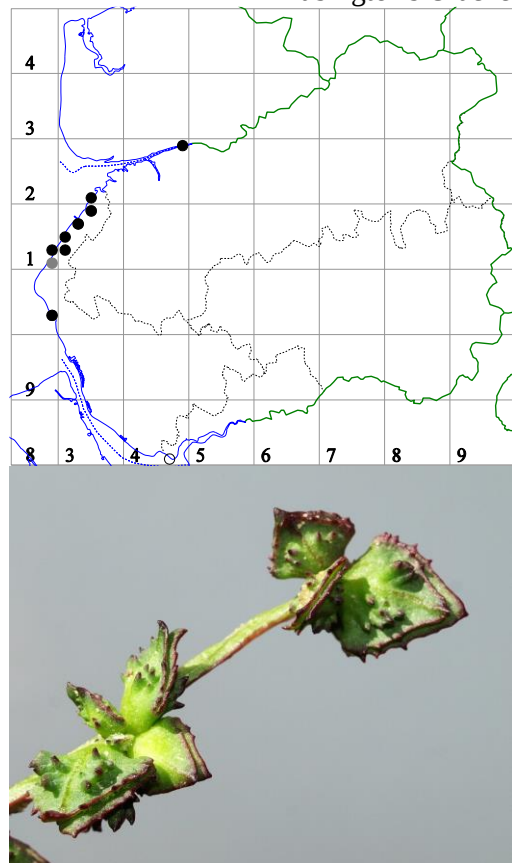
Status & distribution: Native, Scarce (6); mouth of River Alt (SD20W, V Gordon, 1995 conf. G Halliday & A Chater); lower tidal section of River Ribble (SD42Z, 1995) & north of Tarleton Bridge (SD42Q, 1999) P Jepson; two plants at Birkdale Green Beach (SD3116); several plants on the stand-line Weld Road, Birkdale (SD3216); three plants at Southport shell beach (SD3418) PH

Smith, 2015 and usually growing with abundant *A. prostrata*.

Habitat: Upper reaches of saltmarshes and the high-water mark.

Comments: Possibly overlooked and under-recorded.

Atriplex glabriuscula Edmondston
Babington's Orache



Ainsdale PH Smith 2012

Status & distribution: Native, Least Concern (Red List for England), Scarce (8); Hightown (SD20W, V Gordon, 1987 & 1995, PH Smith, 2012); Birkdale Green Beach (SD31B) to Marshside (SD31P) PH Smith; Lower Tidal section of River Ribble SD42Z, P Jepson, 2003).

Former distribution: Hale Shore (SJ48Q, RK Brummitt, 1961, LIV).

Habitat: Sandy upper reaches of salt marshes, high water mark.

Comments: Probably overlooked and under-recorded. A spontaneous hybrid *A. glabriuscula* x *A. acadiensis* occurred in the Manchester University Experimental Grounds (SJ89M, L. Springatee, det. PM Taschereau, 1976, MANCH).

Atriplex longipes Drejer

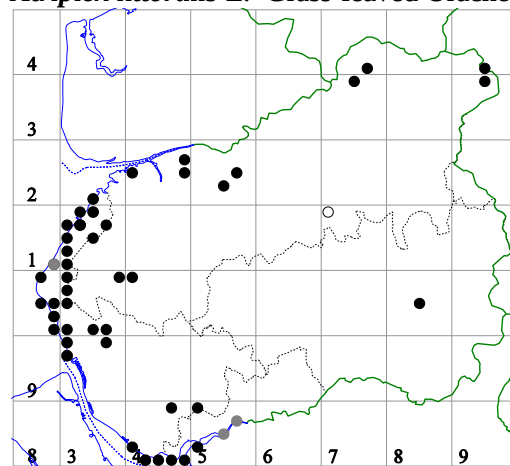
Long-stalked Orache

Status & distribution: Native, Least Concern (Red List for England), Rare and possibly Critically Endangered at the vice-county level; banks of River Douglas, north of Tarleton Bridge (SD4620, P Jepson, 1999); Marshside (SD3419, W Atkinson, 2015, det. PH Smith, LIV).

Habitat: Upper saltmarsh in estuarine rivers where there may be some freshwater influence, associated with open habitat amongst taller vegetation.

Comments: The species has also been recorded on the vice-county 60 side of the River Ribble.

Atriplex littoralis L. Grass-leaved Orache

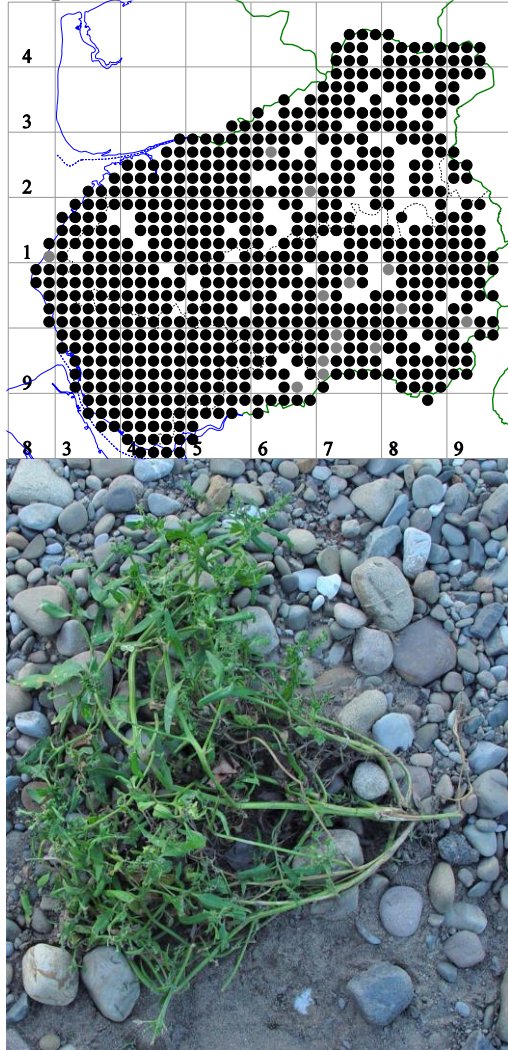


Status & distribution: Native, Least Concern (Red List for England), Axiophyte; locally frequent along the coast and in the Mersey Estuary, rare to locally frequent inland.

Habitat: Strandline and high-water mark, upper reaches of saltmarshes, salted roads inland.

Comments: There is evidence to suggest that this species is steadily colonising salted roads inland.

Atriplex patula L. Common Orache



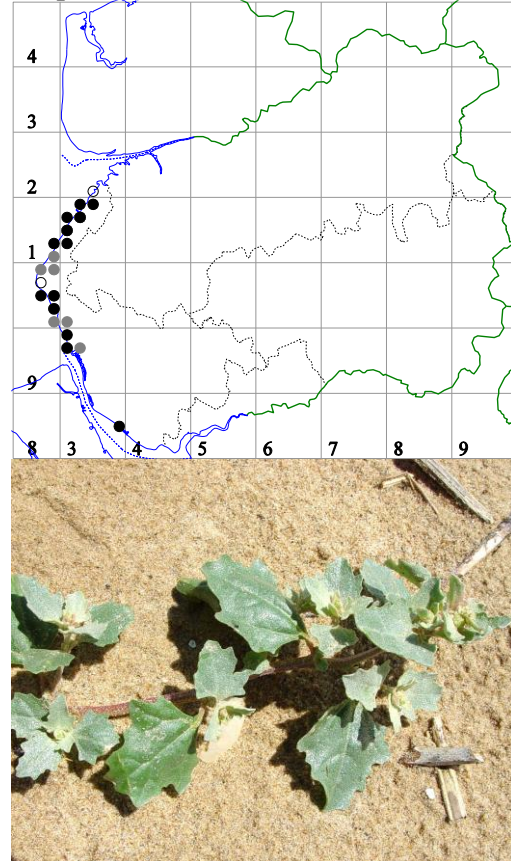
Walton-le-Dale DP Earl 2020

Status & distribution: Native, Least Concern (Red List for England); widespread though scarce on higher ground.

Habitat: Roadside edges, pavements, at the base of hedgerows and on waste ground.

Comments: The *Atriplex angustifolia* (Grindon 1859) could be conspecific with narrow leaved plants of this species that are frequently found in the vice-county.

Atriplex laciniata L. Frosted Orache



Hightown DP Earl 2008

Status & distribution: Native, Least Concern (Red List for England), Axiophyte; locally frequent along the coast where deposition exceeds erosion.

Habitat: High water mark and on shell shingle.

Comments: This species appears to be scarce in the Mersey estuary.

Atriplex halimus L. Shrubby Orache

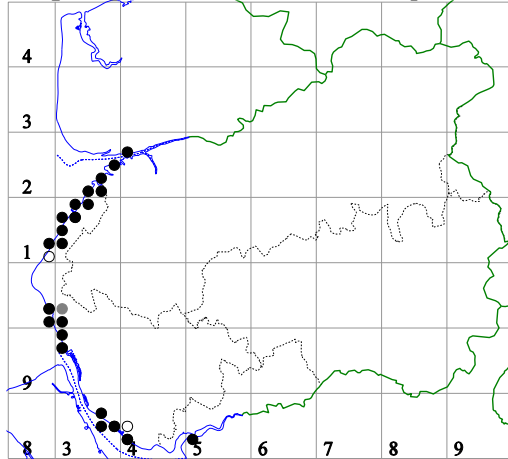


Status & distribution: Neophyte--naturalised; established at Hightown (SD2903, PH Smith, 2007).

Habitat: Sand dunes close by to gardens.

Comments: Native to southern Europe.

***Atriplex portulacoides* L.** Sea-purslane



Hightown DP Earl 2008

Status & distribution: Native, Least Concern (Red List for England), Axiphyte; frequent along the coastal fringe.

Habitat: Well-drained banks above salt-marsh creeks, coastal grassland, rock outcrops and concrete walls subjected to sea salt spray in high winds.

Comments: Probably under-recorded in the Ribble Estuary due to lack of access. Rare as a coastal casual though once locally abundant at Seaforth Dock Tip (SJ39D, V Gordon, 1956-1959).

Atriplex tatarica* L. var. *integrifolia

Gurcke Tatarian Orache

Status & distribution: Neophyte-casual; Whiston (SJ49Q, Rev. M Toohey, 1913 *Botanical Exchange Club Report* 1914, 19); Crown Wallpaper Tip (SD7019, BW Fox, 1959, BON).

Habitat: Waste ground and a tip.

Comments: Native to central Asia.

***Chenopodium vulvaria* L.**

Stinking Goosefoot

Status & distribution: Archaeophyte-denizen, **Nationally Rare, Endangered**

([Red List for England](#)), Casual in South Lancashire; in a garden as a weed, Back Levenshulme (SJ89S, 1858, *Grindon* 1859); near Ashton (SJ99J, *Fl. Ashton* 1888); canal bank, Aintree (SJ39U, JA Wheldon, 1893); Edge Lane, Liverpool (SJ39Q, AA Dallman, 1903); Crown Wallpaper Tip (SD7019, BW Fox, 1959, BON).

Habitat: Waste ground, tips, canal banks.

Comments: Endangered.

***Chenopodium pratericola* Rydb.**

Slimleaf Goosefoot

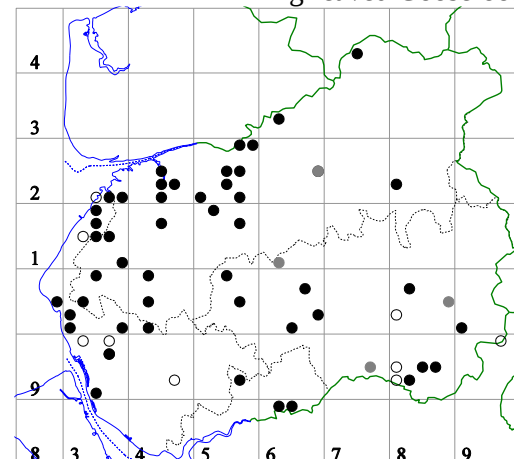
Status & distribution: Neophyte-casual; garden weed, Walton (SJ39M, JAW, 1914); Spring Hollow (SJ99U, FC, 1914); Prescott (SJ49R, M Toohey, 1916).

Habitat: Disturbed ground and tips.

Comments: Native to North America.

***Chenopodium ficifolium* Sm.**

Fig-leaved Goosefoot



Whittle-le-Woods DP Earl 2020

Status & distribution: Archaeophyte-colonist, Least Concern (Red List for England); a widespread but seldom common plant of lowland and urban districts.

Habitat: Arable fields, disturbed roadsides, waste ground, gardens and old fowl runs.

Comments: Considered to be under-recorded and increasing.

Chenopodium berlandieri Moq.

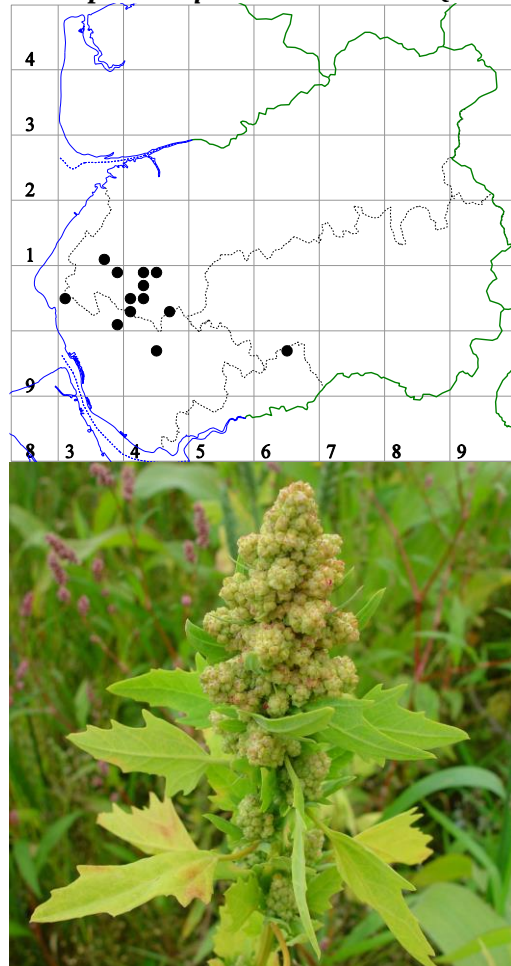
Pitseed Goosefoot

Status & distribution: Neophyte-casual; Southport (SD31I, JD Massey, 1929); Smithills (SD61V, A Hazelwood, 1952).

Habitat: Disturbed ground.

Comments: Native to North America and Mexico.

Chenopodium quinoa Willd. Quinoa



Westhead DP Earl 2009

Status & distribution: Neophyte-casual or sown; frequent in the Ormskirk district between 2002 and 2011.

Earliest record traced: Lathom (SD4409, DP Earl & SP Toone, 2002).

Habitat: Arable fields.

Comments: Neophyte, native to South America, deliberately sown as a set-aside species to provide seed for declining species of birds.

Chenopodium opulifolium Schrader ex Koch & Ziz Grey Goosefoot

Status & distribution: Neophyte-casual; Aintree (SJ39U, JA Wheldon, 1893 & 1930); persisting for some time at Walton (SJ39M, JA Wheldon, n.d.; WG Travis, 1926); Litherland (SJ39P, n.d.); Ford (SJ39J, n.d.) & Bootle (SJ39H, 1915) JA Wheldon; Fazakerley (SJ39T, 1920).

Habitat: Waste ground, canal banks, fowl runs.

Comments: Native to southern Europe and Africa.

Chenopodium x *preissmannii* Murr = *C. opulifolium* Schrader ex Koch & Ziz x *C. album* L.

Status & distribution: Neophyte-casual; Aintree (SJ39U, JA Wheldon, 1901, *Botanical Exchange Club Report* 1921).

Habitat: Disturbed ground.

Comments: A very rare hybrid discovered growing in situ with both parents.

Chenopodium opulifolium Schrader ex Koch & Ziz x *C. ficifolium* Sm.

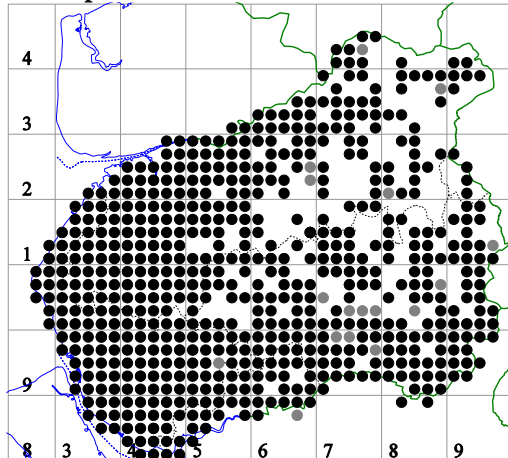
Status & distribution: Neophyte-casual; close by to the canal bank, near Aintree (SJ39U, JA Wheldon, 1901, *Botanical Exchange Club Report* 1905).

Habitat: Disturbed ground.

Comments: A single plant was found growing with both parents.

***Chenopodium album* L.**

Fat Hen



Hightown PH Smith 2012

Status & distribution: Native, Least Concern (Red List for England); widespread and common in the lowlands, less frequent in the hill districts although a feature of the industrial valleys.

Habitat: Arable fields, disturbed ground, roadsides and pavements usually on light, well-drained soils.

Comments: A former record for *Chenopodium lanceolatum* Muhl. from Prescott (SJ49R, Rev. M Toohey, *BEC Report* 1920 p. 144) probably relates to a variant of *C. album*.

***Chenopodium strictum* Roth**

Striped Goosefoot

Status & distribution: Neophyte-casual; Ford (SJ39J, 1913); Aintree (SJ39U, 1913) JA Wheldon; near Prescott (SJ49R, Rev. M Toohey, n.d.).

Habitat: Disturbed ground.

Comments: Native to mainland southern Europe and Asia. Plants were introduced mainly from wool and grain.

***Chenopodium probstii* Aellen**

Probst's Goosefoot

Status & distribution: Neophyte-casual; Liverpool Dock Road (SJ39G, V Gordon, 1995); north of Princes Dock, Liverpool (SJ39F, DP Earl, 2002).

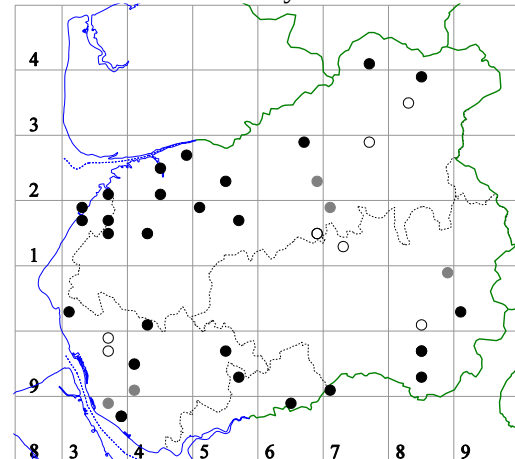
Former distribution: Crown Wallpaper Tip (SD7019, JE Lousley & Rev CE Shaw, 1960); Plantation Mill Tip (SD72U, A Hitchon, 1964).

Habitat: Waste ground about docks, wallpaper and textile tips.

Comments: Native to North America. This species is possibly becoming established about the Liverpool Docklands.

***Lipandra polysperma* (L.) S. Fuentes,**

Uotila & Borsch Many-seeded Goosefoot



Chorley DP Earl 2009

Status & distribution: Archaeophyte-colonist, Least Concern (Red List for England); widespread mainly at lower altitudes usually near to habitation.

Earliest record traced: Cheetham Hill (SD80K, Grindon 1859).

Habitat: Waste and cultivated ground, railway banks, tips, development sites, flowerbeds and as a garden weed.

Comments: A short lived casual, the overall distribution of this species has been enhanced from accidental introductions via summer bedding.

***Chenopodiastrum hybridum* (L.) S. Fuentes, Uotila & Borsch**

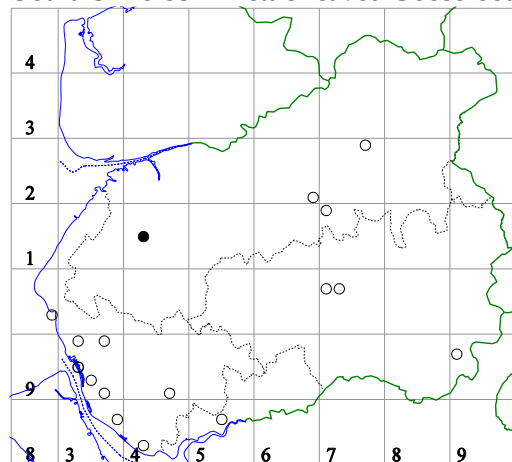
Maple-leaved Goosefoot

Status & distribution: Archaeophyte-colonist, Nationally Uncommon, Least Concern (Red List for England), casual; Bath Farm, Ormskirk (SD40J, T Williams, Fisher 1867); Hilton Lane, Prestwich (SD80B, JC Melvill); Crown Wallpaper Tip (SD7019, A Hitchon, 1960).

Habitat: Disturbed ground, tips.

Comments: There is a recent record by PJ Wisniewski c. 1998 for Martin Mere that requires verification if possible.

***Chenopodiastrum murale* (L.) S. Fuentes, Uotila & Borsch** Nettle-leaved Goosefoot



Status & distribution: Archaeophyte-denizen, Nationally Uncommon, Endangered (Red List for England), casual; Fiddler's Ferry (SJ58N, CR Bullips, 1893); Edge Lane, Liverpool (SJ39Q, AA Dallman, 1903); canal bank, Ford (SJ39J, JA Wheldon, 1907); Whiston (SJ49Q, Rev. M Toohey); Audenshaw (SJ99D, F Collier, 1914); Raikes Clough (SD70I, Greenlees & Holden 1920); Morris Green (SD70D, Greenlees & Holden 1920); Gaol Fields, Bootle (SJ39H, JD Massey, 1930, det. GC Druce); Mossley Hill (SJ38Y, W

Chesher); tip near Darwen (SD62V, CA Howe, 1958); Plantation Mill Tip (SD72U, A Hitchon, 1959); Crown Wallpaper Tip (SD71E, BW Fox, 1959); Bolton area (SD70E, A Hazelwood, pre1961).

There are also unlocalised records for SD60, SD61, SD80, SD82 & SD90.

Habitat: Roadsides, waste ground and tips.

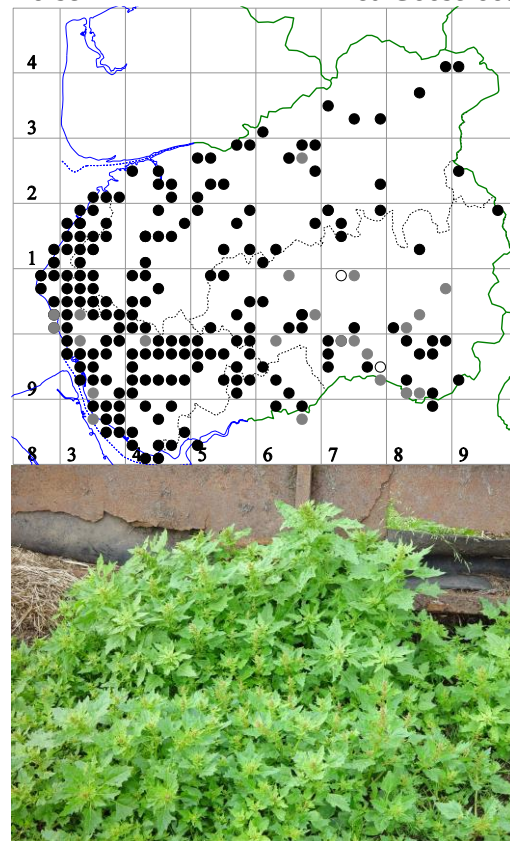
Comments: There are no recently confirmed records for this casual species.

***Oxybasis glauca* (L.) S. Fuentes, Uotila & Borsch** Oak-leaved Goosefoot

Status & distribution: Archaeophyte-denizen, Nationally Scarce, Vulnerable (Red List for England), casual; Crown Wallpaper Tip (SD7019, BW Fox, 1959, BON).

Habitat: Tip.

***Oxybasis rubra* (L.) S. Fuentes, Uotila & Borsch** Red Goosefoot



Kirkby Moss DP Earl 2009

Status & distribution: Native, Least Concern (Red List for England), Axiophyte; locally frequent in the west and at lower altitudes, occasional in the north-east.

Habitat: Damp sandy soils along the coastal strandline and salt-marsh margins, manure and farm heaps, canal dredgings, arable fields, waste places and reservoir draw-down zones.

Oxybasis urtica (L.) S. Fuentes, Uotila & Borsch Upright Goosefoot

Status & distribution: Archaeophyte-colonist, [Nationally Rare, Critically Endangered \(Red List for England\)](#), casual; rubbish and manure heaps by canal, Litherland (SJ39J) & canal bank near Ford (SJ39J, 1907) JA Wheldon; ditch side near Barton (SD30U, Lancashire Naturalists' Field Club, 1915); Bolton area (SD70E, A Hazelwood, pre-1961).

Habitat: Rubbish and manure heaps, disturbed ground.

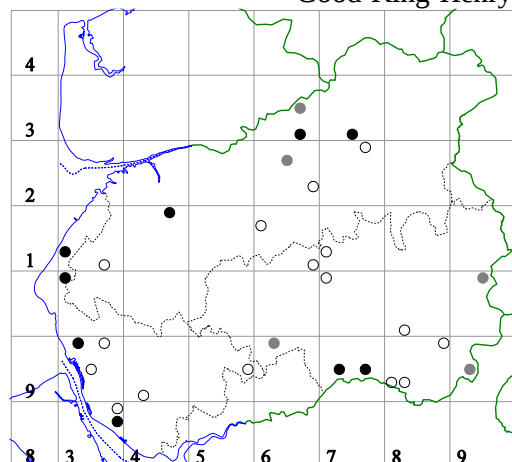
Blitum capitatum L. Strawberry-blite

Status & distribution: Neophyte-casual; Croxteth Park (SJ4194, DK Moore, 1976, LIV).

Habitat: Urban weed.

Comments: Native to USA and Canada.

Blitum bonus-henricus (L.) Rchb. Good-King-Henry



Status & distribution: Archaeophyte-denizen, [Vulnerable \(Red List for England\)](#); Scarce (9) declining and possibly now rare in the vice-county; recent records are mainly from the coastal plain and East Lancashire.

Former distribution: More widespread and frequent in the past.

Habitat: Roadside banks and waste ground.

Spinacia oleracea L. Spinach

Status & distribution: Archaeophyte-cultivated, casual; Rushey Cottage (SD70P, PMA Francis, 1995).

Axyris amaranthoides L.

Russian Pigweed

Status & distribution: Neophyte-casual; Denton (SJ99H, F Collier, 1914, det., GC Druce); Birkdale (SD31H, H Britten *Botanical Exchange Club Report* 1924, p.594).

Habitat: Disturbed ground.

Comments: Native to Siberian Russia.

Dysphania ambrosioides (L.) Mosyakin & Clemants Mexican-tea

Status & distribution: Neophyte-casual; Alder Grove, Waterloo (SJ3198, V Gordon, 1989, LIV).

Habitat: Urban weed.

Comments: Native to North and South America.

Dysphania pumilio (R. Br.) Mosyakin & Clemants Clammy Goosefoot

Status & distribution: Neophyte-casual; location unknown. The record is from the Stace checklist and has yet to be traced.

Habitat: Likely to have occurred on a tip, probably via wool shoddy.

Comments: Native to Australia.

Dysphania cristata (F. Muell.) Mosyakin & Clemants Crested Goosefoot

Status & distribution: Neophyte-casual; Denton Tip (SJ99H, Anon., 1960).

Habitat: Tip.

Comments: Native to Australia.

Bassia scoparia (L.) A.J. Scott

Summer-cypress

Status & distribution: Neophyte-casual; Bolton (SD70E, J Hawksford, 1999).

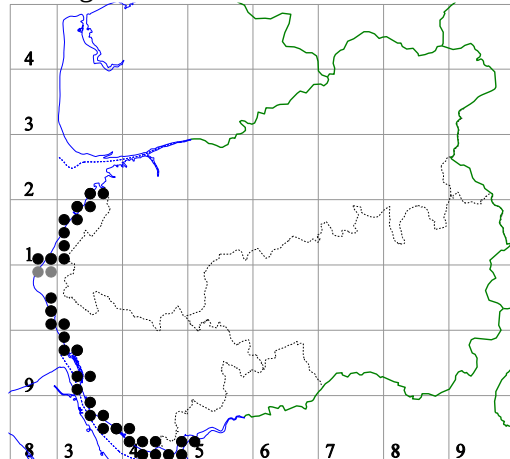
Habitat: Disturbed ground.

Comments: Native to Asia.

***Beta vulgaris* L. ssp. *maritima* (L.)**

Arcang.

Sea Beet



Formby J Somerville 2008

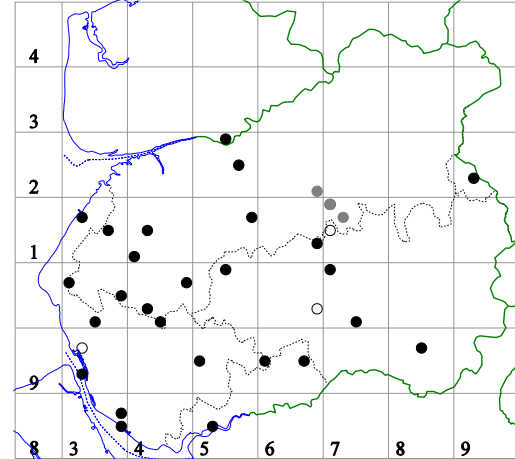
Status & distribution: Native, Least Concern (Red List for England), Axiophyte; frequent at intervals along the Mersey Estuary and coast from Hale to Crossens.

Habitat: Strandline, shingle beaches, upper reaches of saltmarshes, walls and turf exposed to sea salt spray.

Comments: The earliest record on the card index system is 1930. The native coastal plant was once considered very rare and sparing, often occurring only as single plants indicating that the range of ssp. *maritima* has expanded significantly in the last 50 years.

***Beta vulgaris* L.**

Cultivated Beets



Status & distribution: Neophyte-casual; plants are frequent as relics of cultivation, on farm tips, refuse tips and disturbed ground. The subspecies can be difficult to distinguish as most casual plants seldom reach maturity.

***Beta vulgaris* L. ssp. *cicla* (L.) Arcang.**

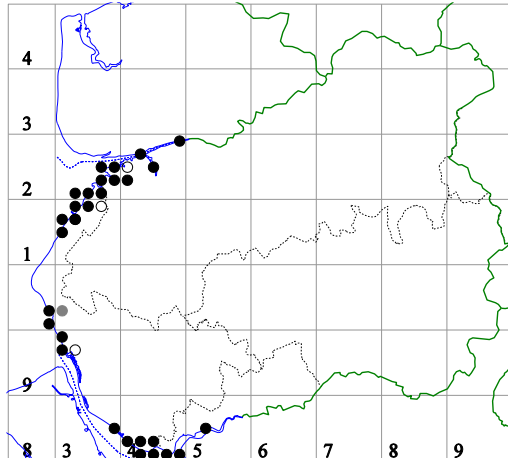
Foliage Beet

Status & distribution: Neophyte-casual; land east of Chester Lane (SJ5192, 1992); Hesketh Bank (SD42M, 1996); Banks (SD32V, 1997); Little Hoole (SD42W, 1997) & disturbed ground, Kew (SD3314, 2004) DP & J Earl.

***Beta vulgaris* L. ssp. *vulgaris* Root Beet**

Status & distribution: Neophyte-casual; Longworth Road Tip, Horwich (SD6411, CR Lancaster, 1952); Stretford Tip (SJ7893, DP Earl, 1983); the site of Heaton Mersey Bleach-works (SJ8690, AR Franks, 1996); Carr Cross (SD3714, 2007); Walton-le-Dale (SD5428, 2012) & Butcher's Lane (SD3803, 2013) DP & J Earl.

***Salicornia* L.** Glasswort

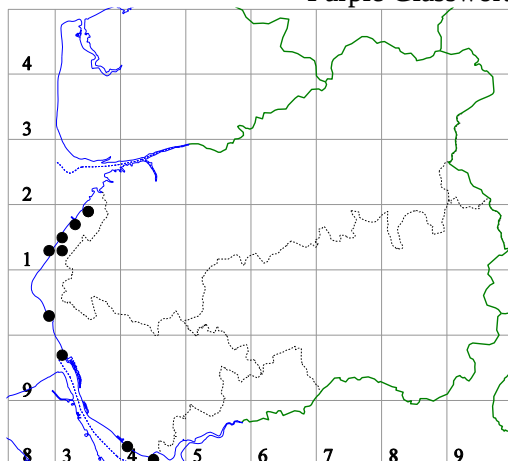


Status & distribution: Native, Axiophyte; locally common along the coast and in the estuary systems, a rare casual inland with a record for the Wigan area (SD50, 1958).

Habitat: Saltmarshes.

Comments: The genus needs further critical study. Plants of Glasswort will almost certainly be present on remote unexplored parts of the Ribble Estuary. The inland record was probably associated with imported coastal sand.

***Salicornia ramosissima* J. Woods** Purple Glasswort



Marshside PH Smith 2012

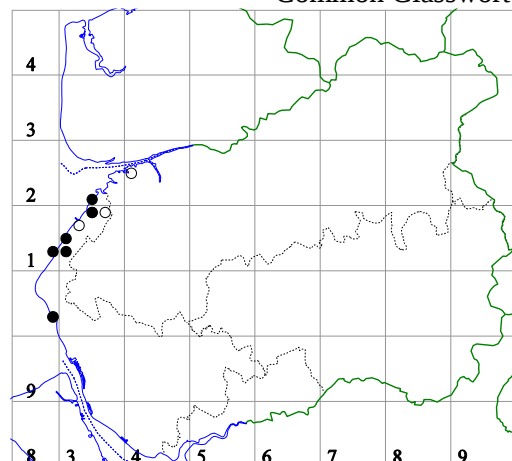
Status & distribution: Native, Least Concern (Red List for England), Axiophyte, Scarce (9); Hale (SJ48K, V Gordon, 1995); Garston & Speke Coastal Reserve (SJ4182, P Tipping, 2008); along the Sefton coast at Seaforth (SJ3196 & SJ3197, 2003); Hightown (SD2903) and frequent from Birkdale Green Beach (SD3013) to Marshside (SD3419).

Former distribution: A casual inland record from (SD50, 1958, Anon).

Habitat: Saltmarshes.

Comments: The recent records correspond well with earlier records; however, this species is considered under-recorded.

***Salicornia europaea* L.** Common Glasswort



Status & distribution: Native, Least Concern (Red List for England), Axiophyte, Scarce (6); occasional along the coast from Hightown to Marshside.

Former distribution: Hundred End (SD42C, WG Travis).

Habitat: Saltmarshes.

Salicornia fragilis P. Ball & Tutin
Yellow Glasswort

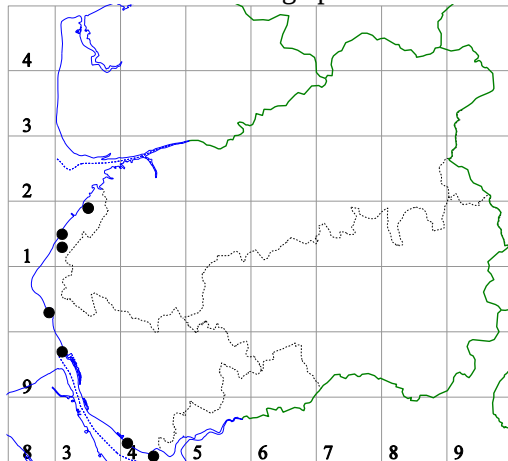


Hightown PH Smith 2010

Status & distribution: Native, Least Concern (Red List for England), Axiophyte, Scarce (5); all the recent records from PH Smith at Seaforth (SJ3196, 2003); Hightown (SD2903, 2005); Birkdale Green Beach (SD3013 & SD3014, 2003) & Marshside (SD3419, 2003).

Habitat: Saltmarshes.

Salicornia dolichostachya Moss
Long-spiked Glasswort

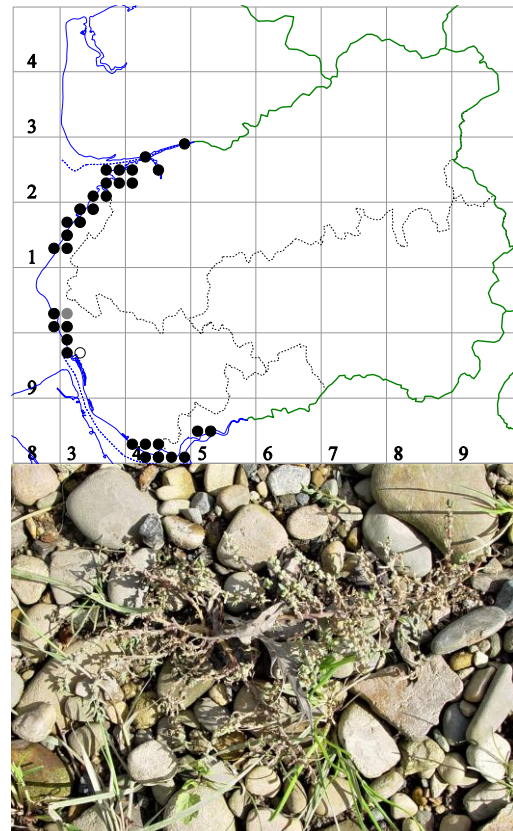


Marshside PH Smith 2012

Status & distribution: Native, Least Concern (Red List for England), Axiophyte, Scarce (7); there are post 1994 records for Oglet (SJ48K, V Gordon, 1995); Garston & Speke Coastal Reserve (SJ4182, P Tipping, 2008); and the following records from PH Smith at Seaforth (SJ3196, 2003 & 2005); Hightown (SD2903, 2005 & SD2902, 2010); Birkdale Green Beach (SD3012 & SD31C, 2003); Marshside (SD3419, 2010).

Habitat: Salt-marshes.

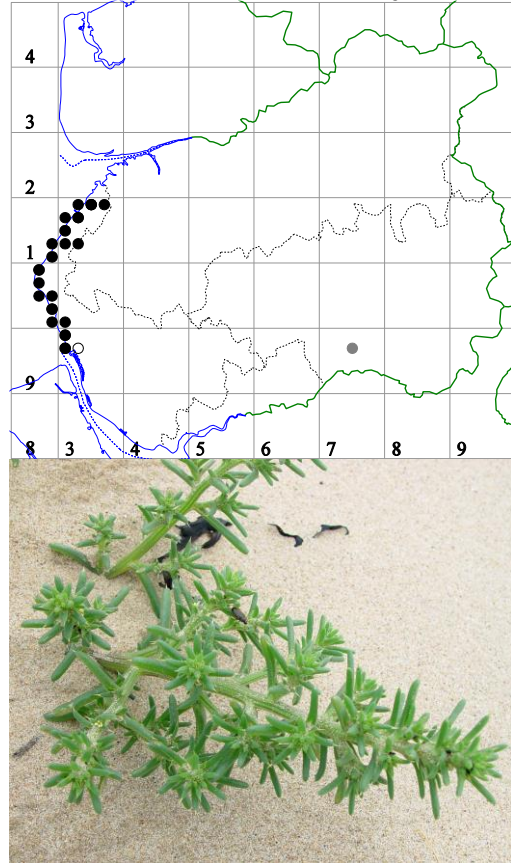
Suaeda maritima (L.) Dumort.
Annual Seablite



River Ribble, Hutton DP Earl 2020

Status & distribution: Native, Least Concern (Red List for England), Axiophyte; locally common in the estuaries and along the coast.
Habitat: Lower and middle reaches of saltmarshes, occasionally on strandlines.

Salsola kali L. Prickly Saltwort



Hightown DP Earl 2008

Status & distribution: Native, Least Concern (Red List for England), Axiophyte; locally frequent along the coast from Seaforth to Marshside.
Former distribution: Occurred on a tip near the Manchester Ship Canal, Barton (SJ79N, DP Earl, 1991).
Habitat: Littoral sand and shingle, sand-dunes and disturbed coastal sand.
Comments: The inland plant at Barton is likely to have been introduced with coastal sand.

Salsola tragus L. Spineless Saltwort

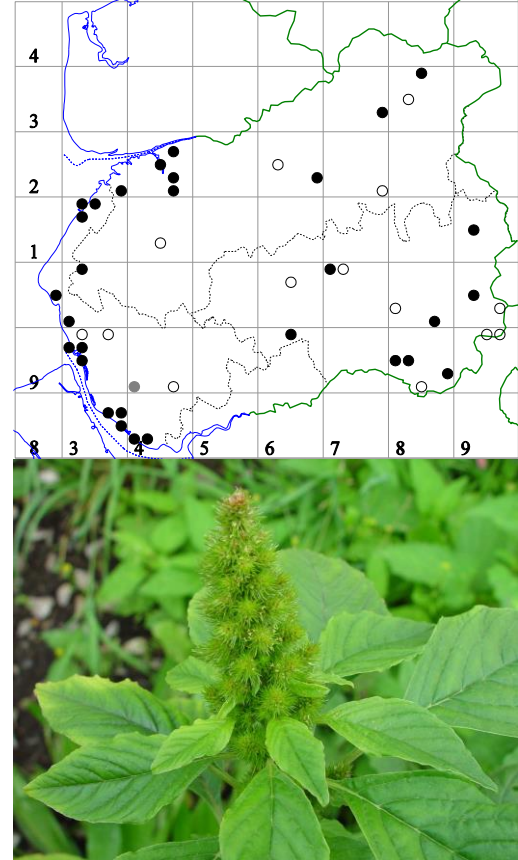
Status & distribution: Neophyte-casual; Aintree (SJ39U, W Chesher, n.d.); Whiston (SJ49Q, Rev. M Toohey, 1913, det., A Thellung); Hightown (SD20W, JD Massey & WG Travis, n.d.); Hillside Station (SD31H, FW Holder, 1929); near

the Rocket Hotel, Liverpool (SJ39K, JD Massey, 1935).

Habitat: Waste ground, railway ballast and hen-pen sweepings.

Comments: Native to central & southern Europe and Asia.

Amaranthus retroflexus L. Common Amaranth



Padiham DP Earl 2009

Status & distribution: Neophyte-casual; frequent in towns and cities. There are un-localised records for SD61 & SD82.

Earliest record traced: Canal bank, Aintree (SJ39U, JA Wheldon & R Brown, 1893).

Habitat: Roadsides, rubbish tips, textile tips, pavement weed, poultry runs, waste ground.

Comments: Native to North America. The most common species often present where people scatter seeds to feed birds.

Amaranthus caudatus L.

Love-lies-bleeding

Status & distribution: Neophyte-casual; Rochdale area (SD91, Shaw 1971).

Habitat: Tips.

Comments: Native to South America.

***Amaranthus hybridus* L.** Green Amaranth

Status & distribution: Neophyte-casual; recently records for Martin Mere (SD41H, PJ Wisniewski, 1999); Castlefield Canal Basin (SJ89I, C Newell, 1999); Bolton Bus Station and by Morrisons Supermarket (SD70E, D Downing, 1999, det. PMA Francis); Bretherton (SD4720, RF Goodchild, 2007).

Former distribution: Locally common at Micklehurst (SD90R) & Stake Hill (SD80Z) Rev CE Shaw, 1960.

Habitat: Wool tips, canal towpath, areas where bird food seed is scattered.

Comments: Native to America. A single record for *A. viridus* L (SD71, BSBI Map Scheme, c. 1950) was perhaps this species.

***Amaranthus cruentus* L.**

Purple Amaranth

Status & distribution: Neophyte-casual; (SJ79X, MPG Tolfree, 2002, det., EJ Clement).

Habitat: A weed of an allotment.

Comments: Native to America.

***Amaranthus deflexus* L.**

Perennial Pigweed

Status & distribution: Neophyte-casual; (SD71, BSBI Map Scheme, n.d.) from a list compiled c. 1950.

Habitat: Unknown.

Comments: Native to South America.

***Amaranthus blitum* L.**

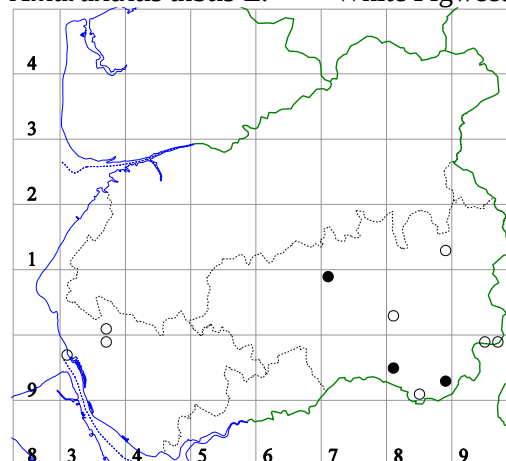
The Blite

Status & distribution: Neophyte-casual; garden weed at High Bank, Prestwich (SD80B, J Percival, *Grindon* 1859); by the canal, Maghull (SD30W, 1893) & a manure heap, Aintree (SJ39U, 1899) JA Wheldon; Shore of the Mersey, Hale (SJ48L, AJ Coombes, 1976).

Habitat: Shingle beach manure heaps and a garden weed.

Comments: Most frequent in tropical regions but of unknown origin. This species has been cultivated in Europe historically as a leaf vegetable.

***Amaranthus albus* L.** White Pigweed



Status & distribution: Neophyte-casual; an occasional casual of industrial and urban areas about Liverpool and Greater Manchester with a record limited to 10km precision for the Accrington area (SD72).

There are recent records from Heaton Chapel (SJ8892, AR Franks, 1997); Bolton (SD7008, D Downing, 1999); Bolton (SD7109, J Lowell, 2001); Stretford (SJ89C, AR Franks, 2001).

Earliest record traced: A spontaneous garden weed at Prestwich (SD80B, *Wood* 1840).

Habitat: Manure heaps, arable weed, refuse and textile tips, gardens, wasteland and a pavement weed.

Comments: Native to North America.

***Amaranthus blitoides* S. Watson**

Prostrate Pigweed

Status & distribution: Neophyte-casual; Rhodes Tip (SD90H, 1958) & Breeze Hill Tip (SD90M, 1959) Rev CE Shaw.

Habitat: Tips.

Comments: Native to North America.

***Amaranthus thunbergii* Moq.**

Thunberg's Pigweed

Status & distribution: Neophyte-casual; Micklehurst Tip (SD90R, n.d.) & Stake Hill (SD80Z, n.d.) Rev CE Shaw.

Habitat: Wool tips.

Comments: Native to South Africa.

***Amaranthus crispus* A. Braun**

Crisp Amaranth

Status & distribution: Neophyte-casual; Manchester Corporation tips, Withington (SJ89G, Rev CE Shaw, 1958, det., WA Sledge).

Habitat: Tips.

Comments: Native to Argentina.

Alternanthera sessilis (L.) R. Br. Ex DC.

Sessile Joyweed

Status & distribution: Neophyte-casual;

Liverpool Parks & Gardens Exhibit

(SJ3686, V Gordon, 1985, det. CC

Townsend), first British record.

Habitat: Glasshouse.

Comments: Native to south-eastern Asia,

India and Africa. Eric Clement indicates

that this plant is eaten as a salad in Ceylon.

This species is classified as a noxious

weed of aquatic habitats in the southern

states of the USA.