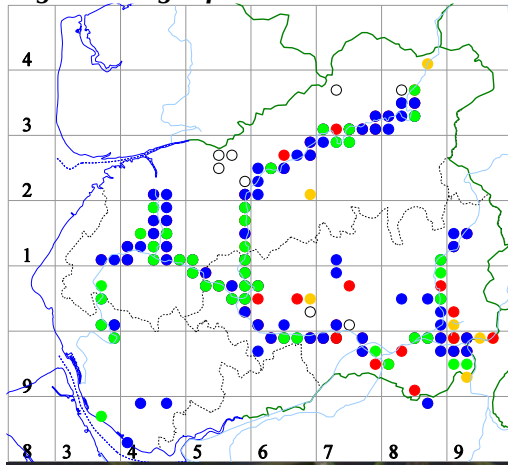


ALISMATACEAE

Water-plantain family

Sagittaria sagittifolia L. Arrowhead



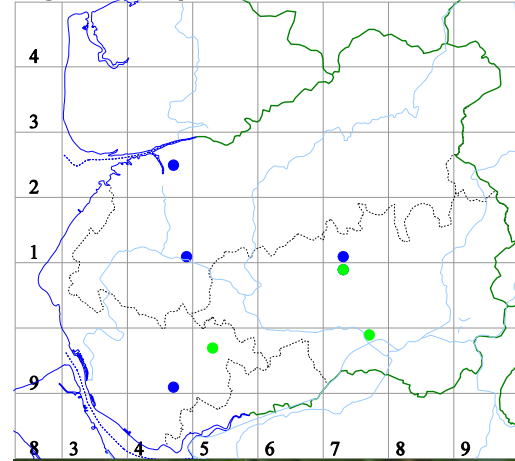
Rufford M Knowles 2008

Status & distribution: Native, Least Concern (Red List for England); Axiophyte, widespread, frequent to locally common and clearly strongly linked to the canal network.

Habitat: Canals, rivers and ponds.

Comment: Populations have fluctuated and declined with dredging activity and the intensive use of the canals by pleasure craft, but overall, there has been a marked increase in species distribution for several decades along the canal network.

Sagittaria latifolia Willd. Duck Potato



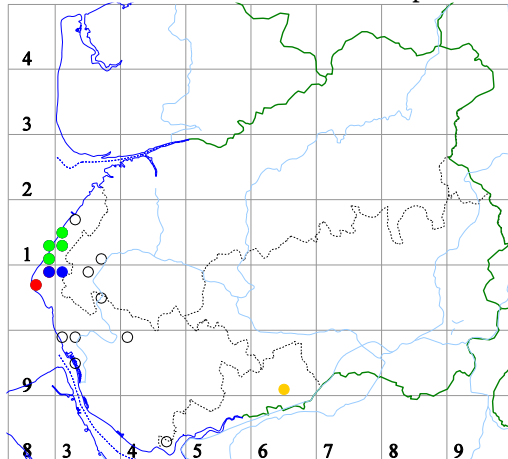
Longton DP Earl 2010

Status & distribution: Neophyte-naturalised; Longton Brickcroft (SD4725, DP & J Earl & FE Ford, 2010); Severn Acre Park (SD7309 & SD7310, I Boote, 2010); Old School House, Parbold (SD4910, B Deed, 2014); Round Clump, Halsnead Park, Whiston (SJ4690, S McWilliam, 2016); Three Sisters, Eccles (SJ7699, DP & J Earl, 2020); Laffak Road, St Helens (SJ5297, r_i_k, 2021)

Habitat: Ponds.

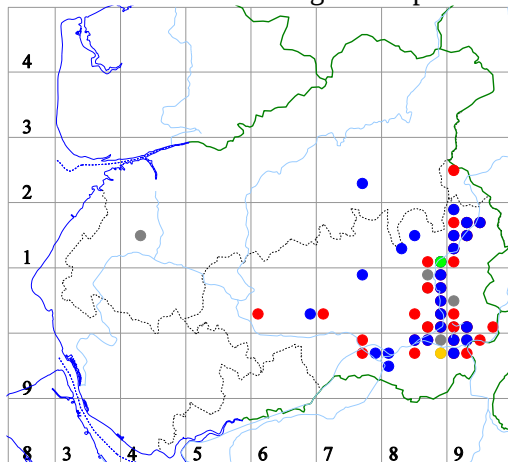
Comments: Native to North America.

Baldellia ranunculoides* (L.) Parl. ssp. *ranunculoides Lesser Water-plantain



Status & distribution: Native, **Vulnerable (Red List for England)**; Scarce and declining localised populations along the Sefton coast; probably extinct inland.
Former distribution: Once more widespread on the costal plain; Hale (SJ48R, *Green* 1902); last recorded inland at the Risley Royal Ordnance Factory site (SJ6591, *D Nash*, 1977).
Habitat: On damp open sand at dune-slacks, silted pond margins and in ditches.

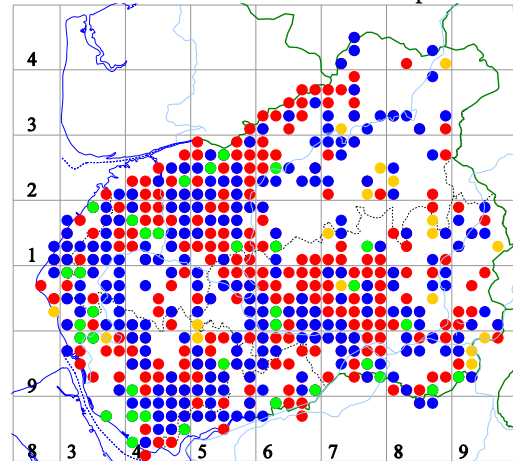
***Luronium natans* (L.) Raf.** Floating Water-plantain



Rochdale Canal KH 2008

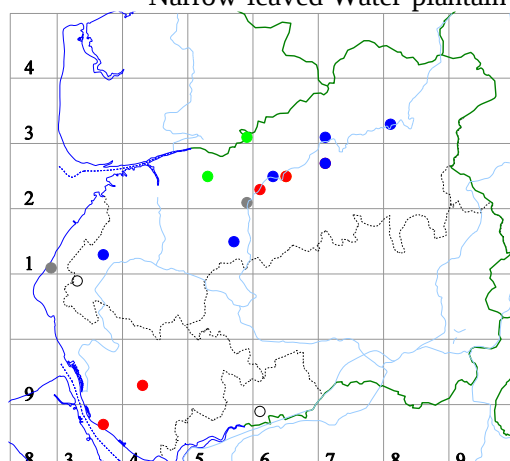
Status & distribution: Native, Nationally Scarce, Near Threatened (Red List for England); Axioophyte, occasional to locally common along the canals of Greater Manchester, very rare elsewhere in a dyke near a sand pit, Martin Mere (SD41H, Anon., 1969); Lower Moor (SD92C, V Gordon & PS Gateley, 1996) & in a pond at Troy Quarry (SD7623, P Jepson, 2005).
Earliest record traced: A canal between Manchester & Macclesfield (*Adamson* Botanical Exchange Club Report 1916).
Habitat: Canals, ponds and ditches.
Comments: The populations along the re-opened Rochdale Canal initially declined but are steadily recovering but have yet to reach the former levels of abundance.

***Alisma plantago-aquatica* L.** Water-plantain



Status & distribution: Native, Least Concern (Red List for England); generally widespread at lower altitudes, very local to absent in upland areas.
Habitat: Ponds, riverbanks, and ditches, locally common along the canals.
Comments: Possibly under-recorded in some rural lowland districts.

***Alisma lanceolatum* With.**
Narrow-leaved Water-plantain



Status & distribution: Native, Least Concern (Red List for England); Scarce (10), most post 1994 records are from the Leeds & Liverpool Canal between Withnell Fold (SD6123) and Knott's Bridge, Hapton (SD8032) with records elsewhere from Liverpool Festival Garden Site (SJ38T) & River Alt, near Woodfall Hall (SJ4392 & SJ4393, LIV) V Gordon, 1997; Arran Trail Ponds, Blackburn (SD7126, P Jepson, 2003); Yarrow Country Park (SD5715, C Winder, 2008); Parsonage Reservoir (SD7031, P Jepson & SJ Gorman, 2010); ditches north of Shirdley Hill (SD3613, S Bowden, 2017).

Habitat: Canals, ponds and slow-flowing rivers; formerly recorded from dune-slacks and ditches.

Comments: Considered to be declining and in some cases possibly confused with narrow leaved forms of *Alisma plantago-aquatica*.