



Scientific name	<i>Persicaria maculosa</i> – <i>Polygonum aviculare</i> weed community
Common name	Redshank – Knotgrass weed community
Community code	WE1F

Vegetation

The constant species in this sparse and somewhat variable weed community are *Persicaria maculosa*, *Ranunculus repens* and *Polygonum aviculare*. Frequent species include *Stellaria media*, *Chenopodium album*, *Poa annua*, *Potentilla anserina*, *Trifolium repens*, *Agrostis stolonifera* and the annual archaeophytes *Fallopia convolvulus* and *Spergula arvensis*.

Ecology

This community contains several pernicious weeds of cultivated land and is found growing amongst crops in arable fields, flower beds, and market and kitchen gardens. Also included here are some annual assemblages from the seasonally-inundated muddy banks of rivers and reservoirs.

Sub-communities

No sub-communities are described.

Similar communities

From other weed communities, WE1F is distinguished mainly by the frequency and abundance of *Persicaria maculosa* and *Polygonum aviculare*.

Records and distribution

Number of records (all)

Clearly assigned:	97
Transitional:	20
Total:	117

Number of records (mapped)

2001-2018:	10
1986-2000:	32
1971-1985:	2
Pre-1971:	3
Total:	47

Number of hectads (most recent records)

2001-2018:	5
1986-2000:	3
1971-1985:	2
Pre-1971:	3
Total:	13

Number of hectads (all mapped records)

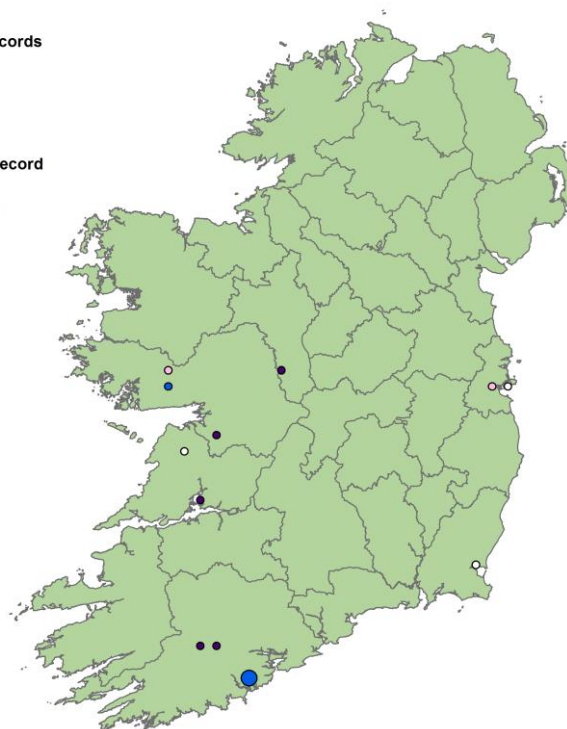
2001-2018:	5
1986-2000:	3
1971-1985:	2
Pre-1971:	3

Number of records

- 1-3
- 4-10
- 11-25
- 26+

Most recent record

- 2001-2018
- 1986-2000
- 1971-1985
- pre-1971



Synoptic table (n = 83)

Species	Frequency (from I-V)	Cover min (med) max	Species	Frequency (from I-V)	Cover min (med) max
<i>Persicaria maculosa</i>	V	2-(3)-7	<i>Viola arvensis</i>	II	2-(3)-5
<i>Ranunculus repens</i>	IV	2-(3)-7	<i>Sinapis arvensis</i>	II	2-(3)-6
<i>Polygonum aviculare</i>	IV	2-(3)-9	<i>Chrysanthemum segetum</i>	II	2-(3)-8
<i>Stellaria media</i>	III	2-(3)-8	<i>Matricaria discoidea</i>	II	2-(3)-7
<i>Chenopodium album</i>	III	2-(3)-7	<i>Achillea millefolium</i>	II	2-(2)-3
<i>Fallopia convolvulus</i>	III	2-(3)-3	<i>Capsella bursa-pastoris</i>	II	1-(2)-3
<i>Trifolium repens</i>	III	2-(3)-5	<i>Cerastium fontanum</i>	II	2-(2)-3
<i>Agrostis stolonifera</i>	III	2-(3)-7	<i>Fumaria officinalis</i>	II	2-(3)-5
<i>Potentilla anserina</i>	III	2-(3)-5	<i>Senecio vulgaris</i>	II	2-(3)-3
<i>Spergula arvensis</i>	III	2-(3)-8	<i>Euphorbia helioscopia</i>	II	2-(3)-3
<i>Poa annua</i>	III	2-(3)-5	<i>Rumex crispus</i>	II	1-(3)-3
<i>Anagallis arvensis</i>	II	2-(3)-5	<i>Cirsium vulgare</i>	II	2-(3)-3
<i>Plantago major</i>	II	2-(2)-5	<i>Fumaria bastardii</i>	II	2-(3)-3
<i>Rumex obtusifolius</i>	II	2-(3)-5	<i>Sonchus arvensis</i>	II	2-(3)-3
<i>Galeopsis tetrahit</i>	II	2-(3)-5	<i>Stachys palustris</i>	II	2-(3)-5
<i>Atriplex patula</i>	II	2-(3)-7	<i>Lamium purpureum</i>	I	2-(3)-3
<i>Elytrigia repens</i>	II	2-(3)-8	<i>Myosotis arvensis</i>	I	2-(2)-3
<i>Plantago lanceolata</i>	II	2-(2)-5	<i>Sonchus oleraceus</i>	I	2-(2)-3
<i>Sonchus asper</i>	II	2-(2)-3	<i>Urtica dioica</i>	I	2-(3)-3
<i>Cirsium arvense</i>	II	1-(3)-8	<i>Holcus lanatus</i>	I	2-(3)-3

Affinities

GHI: BC1 Arable crops / BC2 Horticultural land / ED3 Recolonising bare ground

ZM: QA Papaveretea rhoeadis (57.8%) / CM Molinio-Arrhenatheretea (30.1%)

EUNIS: C3.52 *Bidens* communities (of lake and pond shores) / I1 Arable land and market gardens

NVC: OV33 *Polygonum lapathifolium* – *Poa annua* community (68.1%)

Annex I:3270 *Chenopodium rubri* (low affinity)

Proxy environmental data

Light: 7.1 Reaction: 6.4 Wetness: 5.3 Fertility: 6.2 Salinity: 0.3

Conservation value

Vegetation corresponding to this community is typically of relatively low conservation value, however examples from muddy shores of lakes and rivers may correspond to EU HD Annex I habitat 3270 *Chenopodium rubri*.

Management

The persistence of the segetal aspect of this community is dependent on disturbance that comes with arable farming and gardening practices. The inundated aspect may be lost due to changes in hydrology.

Key references

Lambe, E. (1971) A phytosociological and ecological analysis of Irish weed communities. (Ph.D. thesis). National University of Ireland, Galway.

Browne, A. (1998) Vegetation-environment interactions in the vicinity of a pharmaceutical plant near Kinsale, Co. Cork. (Ph.D. thesis). University College Dublin.

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