

<b>Scientific name</b>	<i>Carex paniculata</i> swamp
<b>Common name</b>	Greater Tussock-sedge swamp
<b>Community code</b>	FW3K

### Vegetation

The large tussocks of *Carex paniculata* tend to dominate this swamp community giving it a distinctive physiognomy. Other constant species are *Holcus lanatus* and *Potentilla palustris*. Frequently associates are *Rumex acetosa*, *Galium palustre*, *Juncus effusus* and some strands of *Kindbergia praelonga*.

### Ecology

These stands have largely been recorded from flush systems within blanket bog and fens where conditions are circumneutral and moderately fertile.

### Sub-communities

No sub-communities are currently described.

### Similar communities

This is a distinct community which should be easily recognised.

### Records and distribution

#### Number of records (all)

Clearly assigned:	21
Transitional:	11
Total:	32

#### Number of records (mapped)

2001-2020:	1
1986-2000:	23
1971-1985:	8
Pre-1971:	0
Total:	32

#### Number of hectads (by most recent time period)

2001-2020:	1
1986-2000:	9
1971-1985:	5
Pre-1971:	0
Total:	15

#### Number of hectads (records in each time period)

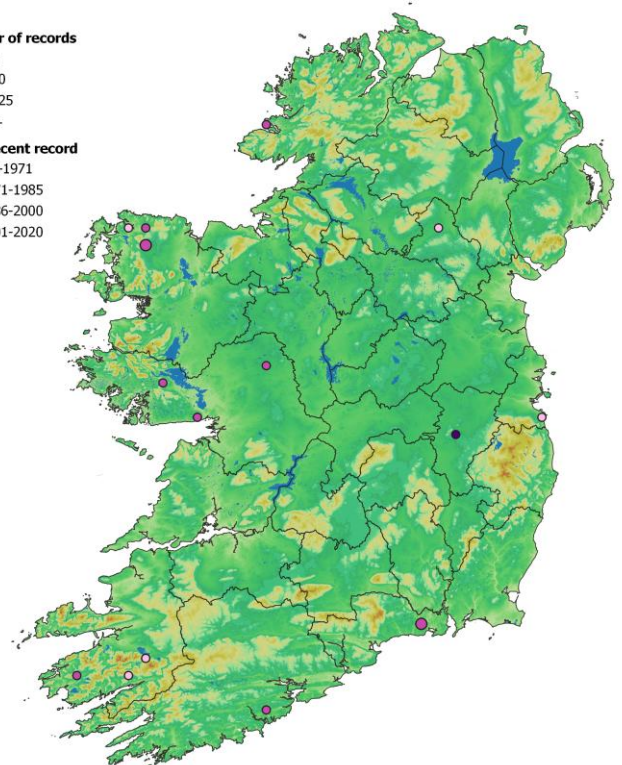
2001-2020:	1
1986-2000:	9
1971-1985:	6
Pre-1971:	0

#### Number of records

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

#### Most recent record

- pre-1971
- 1971-1985
- 1986-2000
- 2001-2020



### Synoptic table (n = 15)

Species	Frequency (from I-V)	Cover min (med) max	Species	Frequency (from I-V)	Cover min (med) max
<i>Carex paniculata</i>	V	5-(8)-9	<i>Menyanthes trifoliata</i>	I	5-(5)-8
<i>Holcus lanatus</i>	IV	2-(5)-8	<i>Phragmites australis</i>	I	2-(2)-3
<i>Potentilla palustris</i>	IV	3-(5)-9	<i>Potentilla erecta</i>	I	3-(3)-5
<i>Rumex acetosa</i>	III	2-(3)-5	<i>Ranunculus acris</i>	I	3-(3)-5
<i>Galium palustre</i>	III	2-(3)-3	<i>Senecio jacobaea</i>	I	2-(3)-3
<i>Juncus effusus</i>	III	2-(3)-8	<i>Typha latifolia</i>	I	3-(3)-5
<i>Kindbergia praelonga</i>	III	2-(5)-5	<i>Carex nigra</i>	I	2-(3)-3
<i>Angelica sylvestris</i>	II	1-(4)-7	<i>Crepis paludosa</i>	I	3-(4)-5
<i>Cardamine pratensis</i>	II	3-(3)-5	<i>Equisetum palustre</i>	I	2-(3)-3
<i>Equisetum fluviatile</i>	II	3-(4)-5	<i>Galium uliginosum</i>	I	3-(3)-3
<i>Filipendula ulmaria</i>	II	4-(5)-7	<i>Hydrocotyle vulgaris</i>	I	2-(4)-5
<i>Mentha aquatica</i>	II	3-(3)-5	<i>Juncus acutiflorus</i>	I	2-(6)-8
<i>Ranunculus flammula</i>	II	2-(3)-5	<i>Lophocolea bidentata</i>	I	5-(6)-7
<i>Succisa pratensis</i>	II	2-(3)-5	<i>Lotus pedunculatus</i>	I	5-(6)-7
<i>Carex rostrata</i>	II	2-(3)-8	<i>Ranunculus bulbosus</i>	I	3-(3)-3
<i>Epilobium palustre</i>	II	3-(3)-7	<i>Ranunculus repens</i>	I	2-(3)-3
<i>Molinia caerulea</i>	II	3-(4)-8	<i>Rubus fruticosus</i> agg.	I	3-(6)-8
<i>Plantago lanceolata</i>	II	2-(3)-5	<i>Senecio aquaticus</i>	I	3-(3)-3
<i>Calliergonella cuspidata</i>	I	3-(3)-5	<i>Valeriana officinalis</i>	I	2-(3)-3
<i>Caltha palustris</i>	I	3-(5)-5	<i>Viola palustris</i>	I	2-(3)-3

#### Affinities

GHI: FS1 Reed and large sedge swamps

ZM: OD04A Magnocaricion elatae Koch 1926

EUNIS: D5.216 Greater tussock sedge tussocks

NVC: W1 *Salix cinerea-Galium palustre* woodland (52.2%), but also S3 *Carex paniculata* swamp (50.9%)

Annex I: No significant correspondence

#### Proxy environmental data

Light: 6.6 Reaction: 5.6 Wetness: 8.1 Fertility: 4.8 Salinity: 0.0

#### Conservation value

This is a relatively species-rich swamp community, but with relatively low recognised conservation value.

#### Management

These swamp stands are essentially unmanaged. The main threats to them are through eutrophication, peat extraction and drainage.

#### Key references

Farrell, C. (2001) An ecological study of intact and industrial cutaway Atlantic blanket bog at Bellacorick, north-west Mayo. (Ph.D. thesis). University College Dublin.

Lockharte, N. (1991) Phytosociological and ecological studies of lowland blanket bog flushes in West Galway and North Mayo. (Ph.D. thesis). National University of Ireland Galway.

Poutsma, J. (1999) Fenor Bog: vegetation survey and management plan. (unpublished). Irish Peatland Conservation Council, Dublin.

**Synopsis version:** V1.1

**Synopsis date:** March 2025

**Synopsis author(s):** P.M. Perrin



Photo 1. FW3K *Carex paniculata* swamp, Derrygoolin North, Loughatorick Bog, Galway (O. Daly, September 2020)

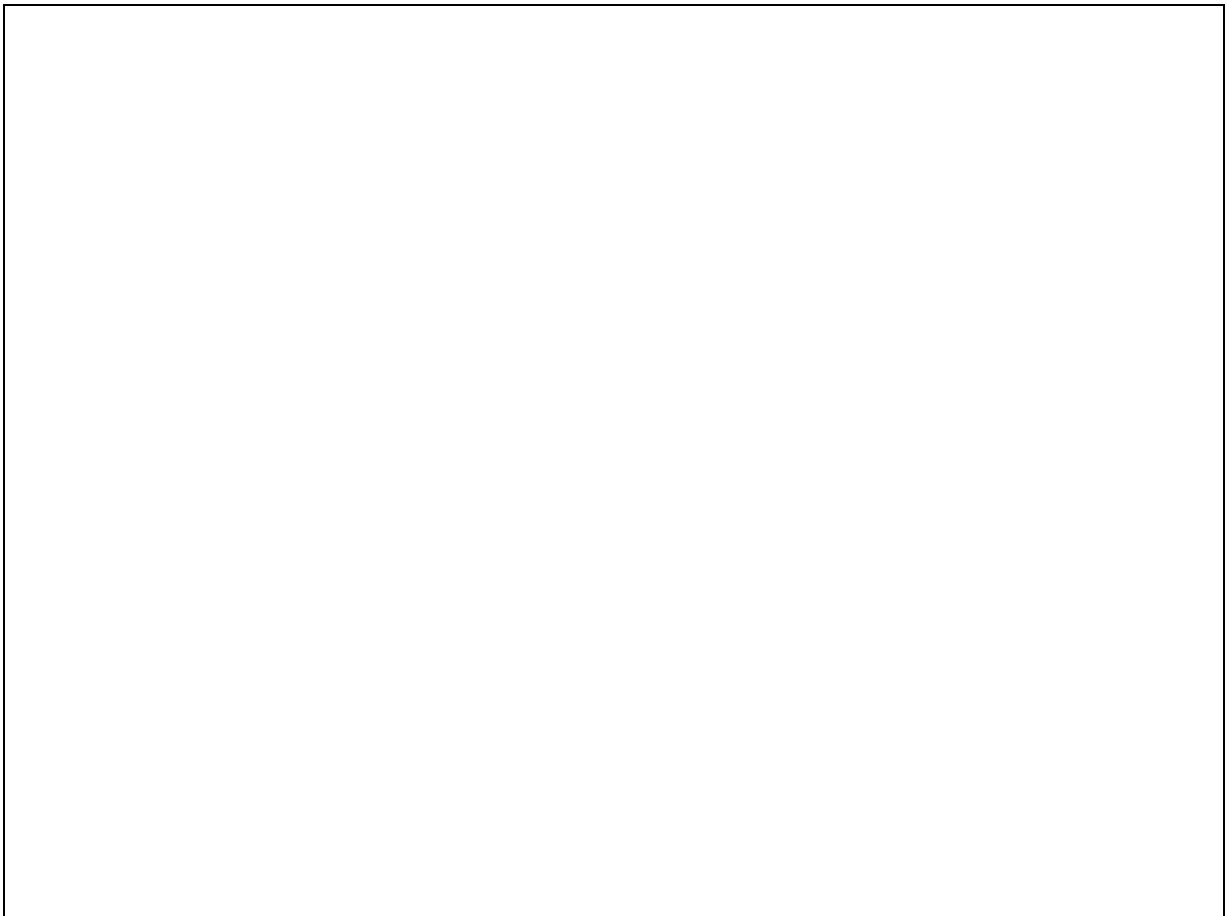


Photo required