



<b>Scientific name</b>	<i>Menyanthes trifoliata</i> – <i>Sphagnum recurvum</i> agg. mire
<b>Common name</b>	Bogbean – Flat-topped Bog-moss mire
<b>Community code</b>	FE2E

### Vegetation

The chief feature of this mire assemblage is an abundant carpet of *Sphagnum recurvum* agg. Through this layer typically grow some *Menyanthes trifoliata* and *Carex rostrata*. Frequently, these are attended by *Eriophorum angustifolium* or *Potentilla palustris*. There is a whole suite of occasional graminoids, comprising *Anthoxanthum odoratum*, *Holcus lanatus*, *Juncus effusus*, *Carex echinata*, *Agrostis* spp., *Carex nigra* and *Molinia caerulea*. *Sphagnum palustre* is the most likely other *Sphagnum* to be found and occasionally there is some cover of *Aulacomnium palustre* and *Polytrichum commune*.

### Ecology

This is a flush community of nutrient-poor, strongly acidic situations. Most records come from the soak systems of Clara Bog or other bogland.

### Sub-communities

No sub-communities are currently described.

### Similar communities

From the other communities in FE2 *Menyanthes trifoliata* – *Potentilla palustris* group, the current community is distinct due to its abundant cover of *Sphagnum*. The FW3Cii *Carex rostrata* swamp/fen *Sphagnum cuspidatum* – *Warnstorfia fluitans* sub-community may be similar at first glance, but there is a difference in the dominant *Sphagnum* spp. and *Menyanthes trifoliata* is typically absent in FW3Cii.

### Records and distribution

#### Number of records (all)

Clearly assigned:	55
Transitional:	8
Total:	63

#### Number of records (mapped)

2001-2015:	39
1986-2000:	17
1971-1985:	7
Pre-1971:	0
Total:	63

#### Number of hectads (most recent records)

2001-2015:	10
1986-2000:	9
1971-1985:	1
Pre-1971:	0
Total:	20

#### Number of hectads (all mapped records)

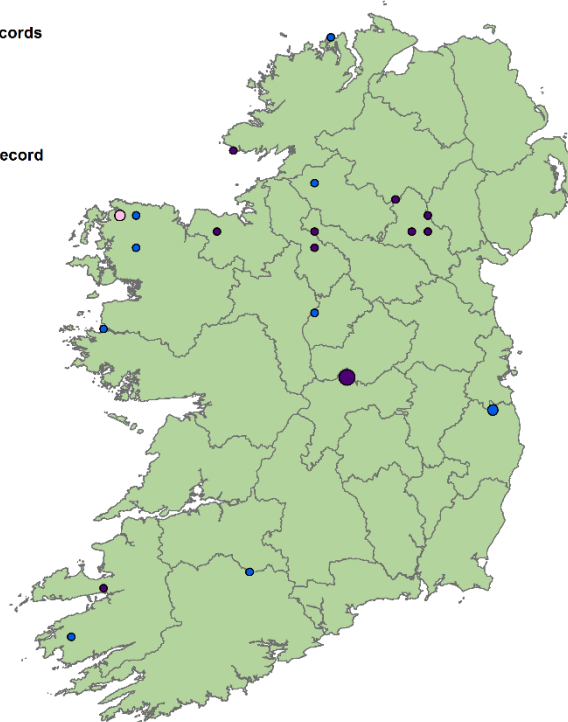
2001-2015:	10
1986-2000:	9
1971-1985:	1
Pre-1971:	0

#### Number of records

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

#### Most recent record

- 2001-2015
- 1986-2000
- 1971-1985
- pre-1971



### Synoptic table (n = 52)

Species	Frequency (from I-V)	Cover min (med) max	Species	Frequency (from I-V)	Cover min (med) max
<i>Sphagnum recurvum</i> agg.	V	3-(9)-10	<i>Carex limosa</i>	I	+-(3)-5
<i>Menyanthes trifoliata</i>	IV	2-(5)-8	<i>Sphagnum squarrosum</i>	I	2-(8)-9
<i>Carex rostrata</i>	IV	2-(4)-9	<i>Eriophorum vaginatum</i>	I	+-(3)-4
<i>Eriophorum angustifolium</i>	III	+-(2)-7	<i>Juncus bulbosus</i>	I	+-(3)-5
<i>Potentilla palustris</i>	III	+-(4)-8	<i>Calliergon stramineum</i>	I	+-(5)-5
<i>Anthoxanthum odoratum</i>	II	+-(2)-5	<i>Potentilla erecta</i>	I	2-(3)-5
<i>Sphagnum palustre</i>	II	2-(4)-9	<i>Festuca ovina</i>	I	3-(5)-7
<i>Holcus lanatus</i>	II	+-(2)-4	<i>Equisetum fluviatile</i>	I	2-(3)-5
<i>Aulacomnium palustre</i>	II	+-(5)-7	<i>Calliergonella cuspidata</i>	I	2-(3)-7
<i>Polytrichum commune</i>	II	2-(5)-8	<i>Juncus acutiflorus</i>	I	2-(5)-8
<i>Vaccinium oxycoccos</i>	II	2-(4)-5	<i>Rhytidiadelphus squarrosus</i>	I	+-(2)-3
<i>Juncus effusus</i>	II	2-(6)-9	<i>Lophocolea bidentata</i>	I	2-(2)-3
<i>Carex echinata</i>	II	+-(3)-7	<i>Warnstorfia fluitans</i>	I	1-(3)-3
<i>Agrostis canina/vinealis</i>	II	+-(3)-5	<i>Drosera rotundifolia</i>	I	2-(3)-3
<i>Agrostis stolonifera</i>	II	3-(3)-4	<i>Calluna vulgaris</i>	I	+-(4)-5
<i>Hydrocotyle vulgaris</i>	II	2-(2)-5	<i>Viola palustris</i>	I	2-(3)-5
<i>Carex nigra</i>	II	1-(3)-7	<i>Galium palustre</i>	I	2-(3)-3
<i>Succisa pratensis</i>	II	+-(2)-5	<i>Cardamine pratensis</i>	I	2-(2)-3
<i>Molinia caerulea</i>	II	+-(3)-7	<i>Ranunculus flammula</i>	I	+-(3)-5
<i>Rumex acetosa</i>	I	+-(3)-5	<i>Sphagnum subsecundum</i> agg.	I	3-(3)-7

#### Affinities

GHI: PF3 Transition mire and quaking bog  
 ZM: SCH-04A Scheuchzerion palustris Nordhagen ex Tx. 1937  
 EUNIS: D2.331 Acidocline bottle sedge quaking mires  
 NVC: M4 *Carex rostrata* – *Sphagnum recurvum* mire (64.1%)  
 Annex I: 7140 Transition mires

#### Proxy environmental data

Light: 7.2      Reaction: 3.0      Wetness: 8.8      Fertility: 2.8      Salinity: 0.0

#### Conservation value

Examples of this community may correspond with EU HD Annex I habitat 7140 Transition mires.

#### Management

Typically, this is an unmanaged community. The main threats include drainage, reclamation, ground water pollution and peat extraction.

#### Key references

Crushell, P. (2008) Soak systems of an Irish raised bog: a multidisciplinary study of their origin, ecology, conservation and restoration. (Ph.D. thesis). Wageningen University, Netherlands.

**Synopsis version:** V1.0

**Synopsis date:** November 2018

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



Photo 1. FE2E *Menyanthes trifoliata* – *Sphagnum recurvum* agg. mire, Aughrim, Bencroy, Leitrim  
(P. Perrin, September 2012)



Photo 2. FE2E *Menyanthes trifoliata* – *Sphagnum recurvum* agg. mire, Sruhanagh, Slievenakilla, Leitrim  
(R. Hodd, September 2012)