

Scientific name	<i>Nymphaea alba</i> aquatic community
Common name	White Water-lily aquatic community
Community code	FW2I

Vegetation

The floating-leaves of *Nymphaea alba* dominate this aquatic community. Amongst the lily pads, *Potamogeton natans* frequently occurs and less often there may be some leaves of *Potamogeton coloratus* or patchy *Lemna minor* cover. There is often an accompanying emergent component to the assemblage consisting of *Phragmites australis* with *Equisetum fluviatile* and, occasionally, *Menyanthes trifoliata*, *Carex rostrata* or *Typha latifolia*.

Ecology

This community has been found in mesotrophic lakes in the lowlands and in lagoons.

Sub-communities

No sub-communities are currently described.

Similar communities

Nymphaea alba dominates in no other communities.

[Previously, this community was coded as FW3A]

Records and distribution

Number of records (all)

Clearly assigned:	28
Transitional:	1
Total:	29

Number of records (mapped)

2001-2020:	2
1986-2000:	10
1971-1985:	14
Pre-1971:	2
Total:	28

Number of hectads (by most recent time period)

2001-2020:	2
1986-2000:	6
1971-1985:	2
Pre-1971:	0
Total:	10

Number of hectads (records in each time period)

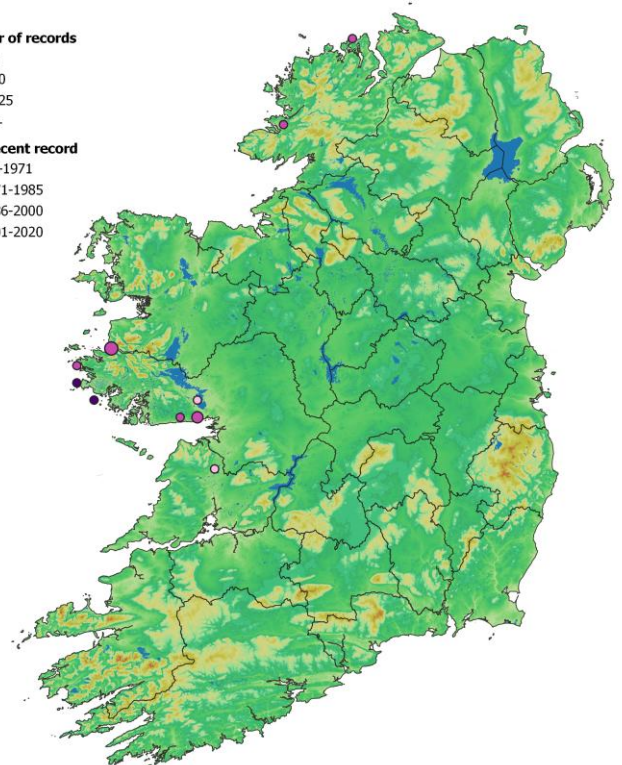
2001-2020:	2
1986-2000:	7
1971-1985:	4
Pre-1971:	1

Number of records

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

Most recent record

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



Synoptic table (n = 25)

Species	Frequency (from I-V)	Cover min (med) max	Species	Frequency (from I-V)	Cover min (med) max
<i>Nymphaea alba</i>	V	5-(7)-9	<i>Elodea canadensis</i>	I	3-(3)-3
<i>Phragmites australis</i>	IV	2-(3)-5	<i>Epilobium palustre</i>	I	3-(3)-3
<i>Equisetum fluviatile</i>	III	2-(3)-5	<i>Juncus subnodulosus</i>	I	2-(2)-2
<i>Potamogeton natans</i>	III	2-(3)-4	<i>Lemna minor</i>	I	2-(2)-2
<i>Menyanthes trifoliata</i>	II	2-(4)-5	<i>Myriophyllum alterniflorum</i>	I	7-(7)-7
<i>Typha latifolia</i>	II	2-(2)-4	<i>Nuphar lutea</i>	I	4-(4)-4
<i>Carex rostrata</i>	II	2-(3)-7	<i>Potamogeton gramineus</i>	I	2-(2)-2
<i>Scorpidium scorpioides</i>	II	3-(4)-4	<i>Potentilla palustris</i>	I	1-(1)-1
<i>Sparganium natans</i>	I	2-(3)-3	<i>Schoenoplectus tabernaemontani</i>	I	3-(3)-3
<i>Utricularia australis/vulgaris</i>	I	2-(2)-3	<i>Sphagnum subsecundum</i> agg.	I	3-(3)-3
<i>Hippuris vulgaris</i>	I	2-(3)-3	<i>Utricularia intermedia</i>	I	4-(4)-4
<i>Isolepis fluitans</i>	I	2-(4)-4			
<i>Schoenoplectus lacustris</i>	I	2-(4)-5			
<i>Calliergon giganteum</i>	I	2-(5)-7			
<i>Cladium mariscus</i>	I	3-(3)-3			
<i>Juncus bulbosus</i>	I	3-(3)-3			
<i>Potamogeton coloratus</i>	I	3-(3)-3			
<i>Baldellia ranunculoides</i>	I	2-(2)-2			
<i>Carex nigra</i>	I	2-(2)-2			
<i>Eleocharis multicaulis</i>	I	5-(5)-5			

Affinities

GHI: CW1 Lagoons and saline lakes / FL4 Mesotrophic lakes

ZM: NB01B Nymphaeion albae Oberd. 1957

EUNIS: C1.24112 Northern *Nymphaea* beds

NVC: S4c *Phragmites australis* swamp and reed-beds *Menyanthes trifoliata* sub-community (60.4%), but also A7 *Nymphaea alba* community (42.0%)

Annex I:1150 Lagoons*

Proxy environmental data

Light: 7.2 Reaction: 5.9 Wetness: 10.8 Fertility: 4.0 Salinity: 0.1

Conservation value

This is species-poor aquatic community (species/4 m² = 3.8, n = 15). Stands have been recorded from lagoons which correspondent with the priority EU HD Annex I habitat 1150 Lagoons*.

Management

This is an unmanaged community. The main threat would appear to be eutrophication.

Key references

Brock, T., Frigge, P., van der Ster, H. (1978) A vegetation study of the pools and surrounding wetlands in the Dooaghry area, Co. Mayo, Republic of Ireland. (unpublished). Laboratory of Geobotany, Catholic University of Nijmegen, The Netherlands.

Crawford, I., Bleasdale, A., Conaghan, J. (1998) BIOMAR survey of Irish machair sites 1996. Volume 2: Plant communities. *Irish Wildlife Manuals* No. 4. Dúchas, The Heritage Service, Dublin.

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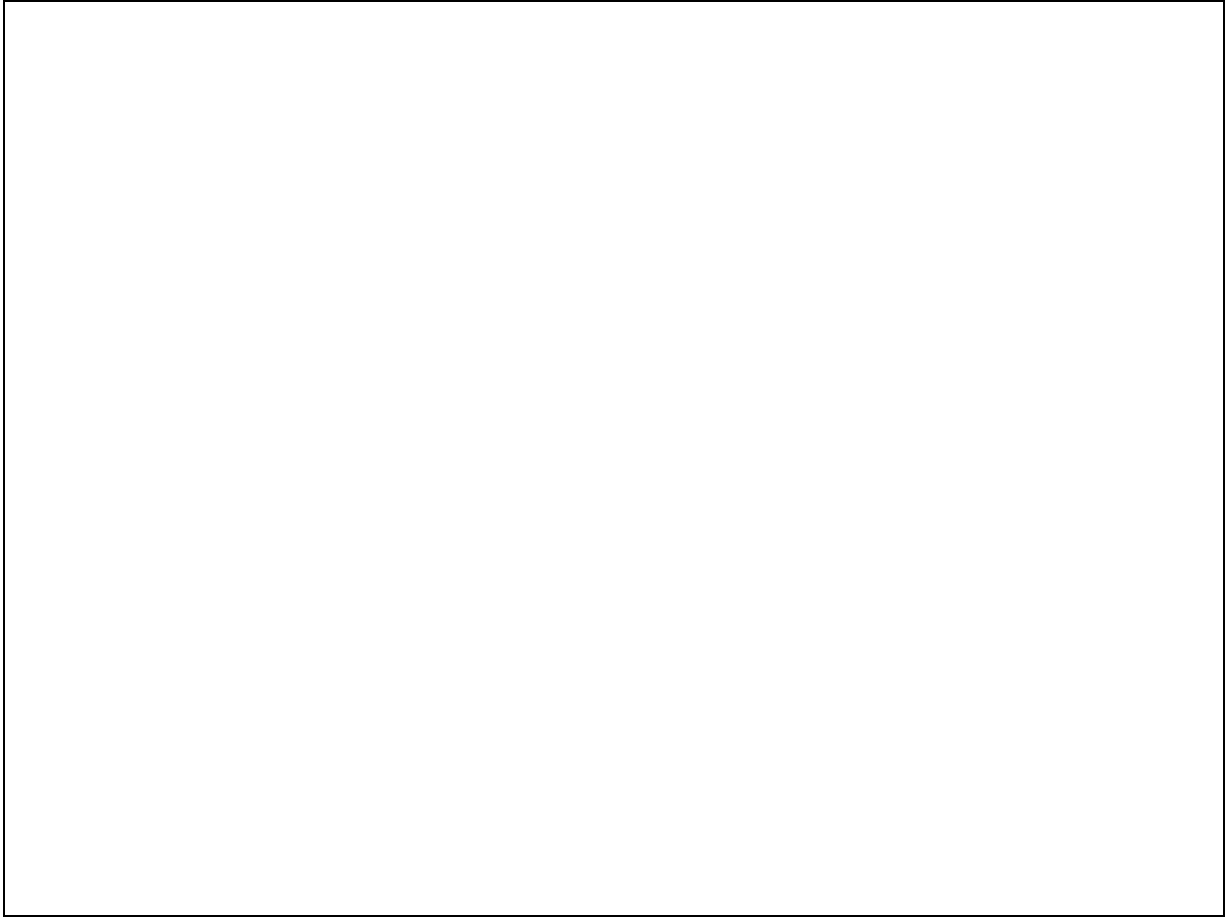


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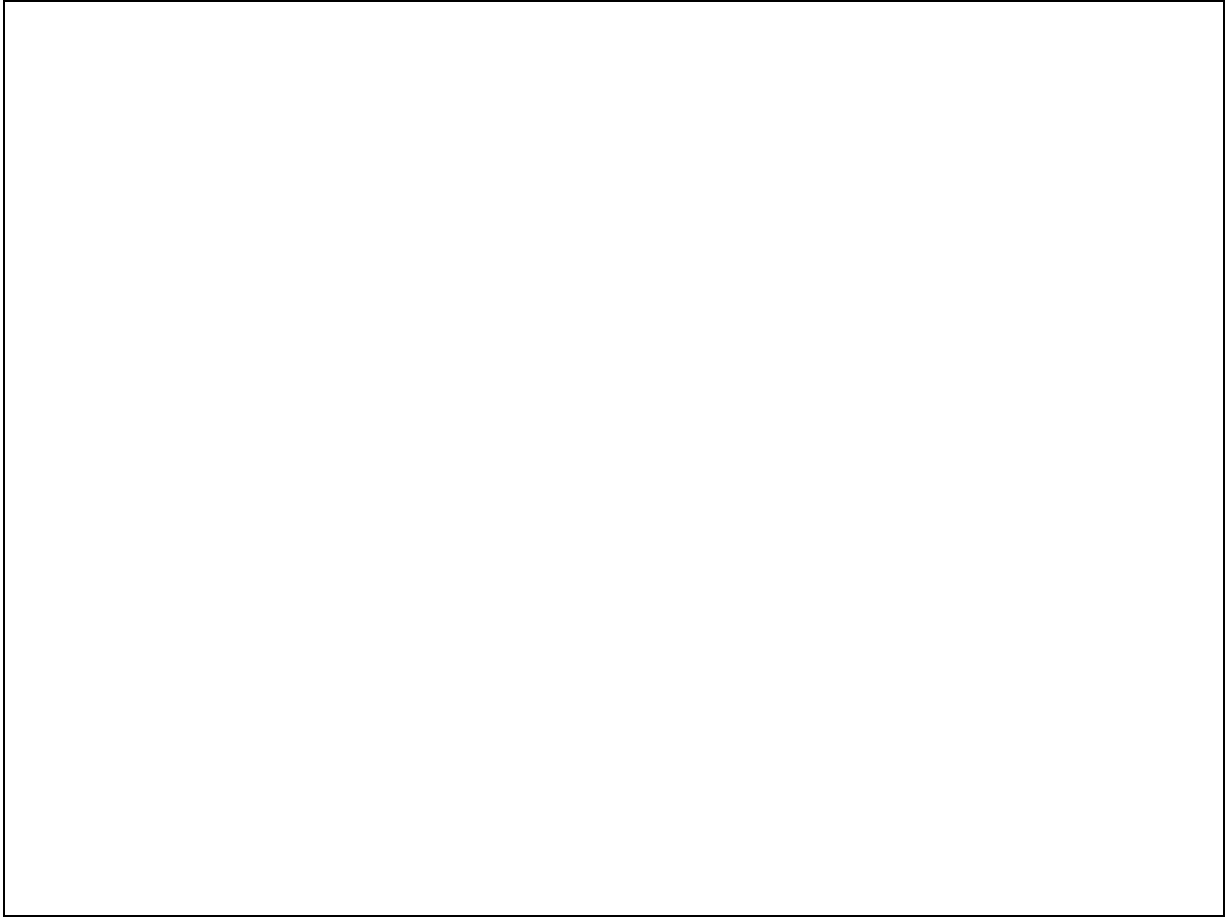


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