



Scientific name	<i>Nymphaea alba</i> – <i>Phragmites australis</i> aquatic community
Common name	White Water-lily – Common Reed aquatic community
Community code	FW3A

Vegetation

The floating-leaves of *Nymphaea alba* dominate this aquatic community and it is the only constant species. The other native water-lily, *Nuphar lutea*, is seldom found, but may be plentiful when it is. 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 frequently an accompanying emergent component to the assemblage with *Phragmites australis*, *Equisetum fluviatile*, and *Menyanthes trifoliata*, and occasionally *Carex rostrata* or *Typha latifolia*.

Ecology

This community has been found in mesotrophic, rather base-rich, lakes and coastal lagoons. It likely to have a broader niche but has been greatly under-recorded

Sub-communities

No sub-communities are currently described.

Similar communities

Nymphaea alba dominates in no other communities. If *Nuphar lutea* is abundant, then the FW2Fiii *Schoenoplectus lacustris* – *Sparganium erectum* swamp *Nuphar lutea* sub-community should be considered.

Records and distribution

Number of records (all)

Clearly assigned:	28
Transitional:	1
Total:	29

Number of records (mapped)

2001-2015:	2
1986-2000:	11
1971-1985:	13
Pre-1971:	2
Total:	28

Number of hectads (most recent records)

2001-2015:	2
1986-2000:	7
1971-1985:	2
Pre-1971:	0
Total:	11

Number of hectads (all mapped records)

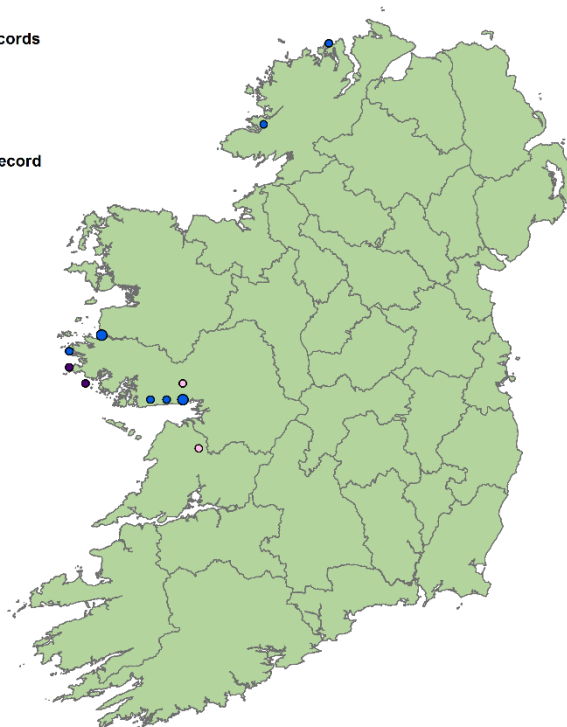
2001-2015:	2
1986-2000:	8
1971-1985:	4
Pre-1971:	1

Number of records

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

Most recent record

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



Synopsis 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)-8	<i>Calliergon giganteum</i>	I	7-(7)-7
<i>Phragmites australis</i>	III	2-(3)-5	<i>Lemna minor</i>	I	2-(2)-2
<i>Equisetum fluviatile</i>	III	2-(3)-5	<i>Schoenoplectus tabernaemontani</i>	I	3-(3)-3
<i>Potamogeton natans</i>	III	2-(3)-4	<i>Baldellia ranunculoides</i>	I	2-(2)-2
<i>Menyanthes trifoliata</i>	III	2-(4)-5	<i>Elodea canadensis</i>	I	3-(3)-3
<i>Carex rostrata</i>	II	2-(3)-7	<i>Juncus subnodulosus</i>	I	2-(2)-2
<i>Typha latifolia</i>	II	2-(2)-4	<i>Eleocharis multicaulis</i>	I	5-(5)-5
<i>Scorpidium scorpioides</i>	II	3-(4)-4	<i>Sphagnum subsecundum</i> agg.	I	3-(3)-3
<i>Utricularia australis/vulgaris</i>	I	2-(2)-3	<i>Carex limosa</i>	I	2-(2)-2
<i>Sparganium natans</i>	I	2-(3)-3	<i>Potamogeton gramineus</i>	I	2-(2)-2
<i>Isolepis fluitans</i>	I	2-(4)-4	<i>Utricularia intermedia</i>	I	4-(4)-4
<i>Hippuris vulgaris</i>	I	3-(3)-3	<i>Myriophyllum alterniflorum</i>	I	7-(7)-7
<i>Schoenoplectus lacustris</i>	I	2-(4)-5			
<i>Juncus bulbosus</i>	I	3-(3)-3			
<i>Potamogeton coloratus</i>	I	3-(3)-3			
<i>Cladium mariscus</i>	I	3-(3)-3			
<i>Nuphar lutea</i>	I	4-(5)-7			
<i>Carex nigra</i>	I	2-(2)-2			
<i>Epilobium palustre</i>	I	3-(3)-3			
<i>Potentilla palustris</i>	I	1-(1)-1			

Affinities

GHI: FL4 Mesotrophic lakes / CW1 Lagoons and saline lakes / FS1 Reed and large sedge swamps

ZM: POT-01B *Nymphaea alba* Oberd. 1957

EUNIS: C1.24112 Northern *Nymphaea* beds

NVC: S4c *Phragmites australis* swamp and reed-beds *Menyanthes trifoliata* sub-community (60.4%)

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. 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., 1979. A vegetation study of the pools and surrounding wetlands in the Dooaghtry area, Co. Mayo (unpublished). National Parks & Wildlife Service, Dublin, Ireland.

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