



NATURA 2000 - STANDARD DATA FORM

For Special Protection Areas (SPA),
Proposed Sites for Community Importance (pSCI),
Sites of Community Importance (SCI) and
for Special Areas of Conservation (SAC)

SITE IE0000580
SITENAME Mongan Bog SAC

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1. SITE IDENTIFICATION

1.1 Type B	1.2 Site code IE0000580	Back to top
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1.3 Site name

Mongan Bog SAC

1.4 First Compilation date 1995-05	1.5 Update date 2018-09
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1.6 Respondent:

Name/Organisation: National Parks and Wildlife Service, Department of Culture, Heritage and the Gaeltacht
Address: 90 King Street North, Dublin 7, D07 N7CV, Ireland
Email: datadelivery@chg.gov.ie

Date site proposed as SCI:	1997-11
Date site confirmed as SCI:	No data
Date site designated as SAC:	2017-10
National legal reference of SAC designation:	448/2017

2. SITE LOCATION

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2.1 Site-centre location [decimal degrees]:

Longitude

-7.952489

Latitude

53.327974

2.2 Area [ha]:

206.514949

2.3 Marine area [%]

0.0

2.4 Sitelength [km]:

0.0

2.5 Administrative region code and name

NUTS level 2 code**Region Name**

IE01

Border, Midland and Western

2.6 Biogeographical Region(s)

Atlantic (%)

3. ECOLOGICAL INFORMATION

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3.1 Habitat types present on the site and assessment for them

Annex I Habitat types						Site assessment			
Code	PF	NP	Cover [ha]	Cave [number]	Data quality	A B C D	A B C		
						Representativity	Relative Surface	Conservation	Glo
7110			48.31		G	A	C	B	B
7120			10.38		G	B	C	C	B
7150			2.415331067		M	B	C	C	C

- **PF:** for the habitat types that can have a non-priority as well as a priority form (6210, 7130, 9430) enter "X" in the column PF to indicate the priority form.
- **NP:** in case that a habitat type no longer exists in the site enter: x (optional)
- **Cover:** decimal values can be entered
- **Caves:** for habitat types 8310, 8330 (caves) enter the number of caves if estimated surface is not available.
- **Data quality:** G = 'Good' (e.g. based on surveys); M = 'Moderate' (e.g. based on partial data with some extrapolation); P = 'Poor' (e.g. rough estimation)

3.2 Species referred to in Article 4 of Directive 2009/147/EC and listed in Annex II of Directive 92/43/EEC and site evaluation for them

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Species					Population in the site					Site assessment				
G	Code	Scientific Name	S	NP	T	Size		Unit	Cat.	D.qual.	A B C D		A B C	
						Min	Max				Pop.	Con.	Iso.	Glo.
B	A395	Anser albifrons flavirostris			w	40	40	i		G	C	B	C	C
B	A153	Gallinago gallinago			r	1	1	i		G	C	B	C	C
B	A160	Numenius arquata			r	1	1	i		G	C	B	C	C

- **Group:** A = Amphibians, B = Birds, F = Fish, I = Invertebrates, M = Mammals, P = Plants, R = Reptiles
- **S:** in case that the data on species are sensitive and therefore have to be blocked for any public access enter: yes
- **NP:** in case that a species is no longer present in the site enter: x (optional)
- **Type:** p = permanent, r = reproducing, c = concentration, w = wintering (for plant and non-migratory species use permanent)
- **Unit:** i = individuals, p = pairs or other units according to the Standard list of population units and codes in accordance with Article 12 and 17 reporting (see [reference portal](#))
- **Abundance categories (Cat.):** C = common, R = rare, V = very rare, P = present - to fill if data are deficient (DD) or in addition to population size information
- **Data quality:** G = 'Good' (e.g. based on surveys); M = 'Moderate' (e.g. based on partial data with some extrapolation); P = 'Poor' (e.g. rough estimation); VP = 'Very poor' (use this category only, if not even a rough estimation of the population size can be made, in this case the fields for population size can remain empty, but the field "Abundance categories" has to be filled in)

3.3 Other important species of flora and fauna (optional)

Species					Population in the site				Motivation					
Group	CODE	Scientific Name	S	NP	Size		Unit	Cat.	Species Annex		Other categories			
					Min	Max		C R V P	IV	V	A	B	C	D
I		Chrysops sepulchralis						P						X
I		Coenonympha tullia						P						X
I		Dixella serotina						P						X
B		Lagopus lagopus						P					X	
B		Lagopus lagopus						P			X			
M		Lepus timidus hibernicus						P				X		
M		Lepus timidus hibernicus						P					X	
M		Lepus timidus hibernicus						P			X			
A		Rana temporaria						P			X			
A		Rana temporaria						P					X	

P		Rhynchospora fusca						P							X
I		Saturnia pavonia						P							X
I		Tachina grossa						P							X

- **Group:** A = Amphibians, B = Birds, F = Fish, Fu = Fungi, I = Invertebrates, L = Lichens, M = Mammals, P = Plants, R = Reptiles
- **CODE:** for Birds, Annex IV and V species the code as provided in the reference portal should be used in addition to the scientific name
- **S:** in case that the data on species are sensitive and therefore have to be blocked for any public access enter: yes
- **NP:** in case that a species is no longer present in the site enter: x (optional)
- **Unit:** i = individuals, p = pairs or other units according to the standard list of population units and codes in accordance with Article 12 and 17 reporting, (see [reference portal](#))
- **Cat.:** Abundance categories: C = common, R = rare, V = very rare, P = present
- **Motivation categories:** **IV, V:** Annex Species (Habitats Directive), **A:** National Red List data; **B:** Endemics; **C:** International Conventions; **D:** other reasons

4. SITE DESCRIPTION

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4.1 General site character

Habitat class	% Cover
N07	85.0
N14	15.0
Total Habitat Cover	100

Other Site Characteristics

The bedrock underlying this site is low permeability fossiliferous limestone. This is overlain by permeable sands and gravels mainly derived from limestone. The peat layer is underlain by relatively impermeable lake clays. Esker ridges of sands and gravels lie to the north and south of the site. Part of the old cutover bog has been converted to improved grassland and this is included in the site for hydrological reasons.

4.2 Quality and importance

Mongan Bog is an example of a small to medium sized raised bog site which contains examples of the Annex I habitats active raised bog, degraded raised bog and depressions on peat substrates (Rhynchosporion). The centre of the site is dominated by a core of uncut high bog which contains an unusually large number of pools dominated by open water. The uncut high bog core is surrounded by old cutover surface which is regenerating into a mosaic of heath and low scrub. The relatively rare sedge *Rhynchospora fusca* has been recorded from wet pools within the site. In the past, the bog was used by wintering *Anser albifrons flavirostris* but the geese appear to have deserted the site in recent years. The site supports breeding *Numenius arquata* and *Gallinago gallinago*.

4.3 Threats, pressures and activities with impacts on the site

The most important impacts and activities with high effect on the site

Negative Impacts			
Rank	Threats and pressures [code]	Pollution (optional) [code]	inside/outside [i o b]
L	F03.01		i
L	E03.01		i
H	J02.15		i

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside/outside [i o b]
L	X		i

H	J01.01		i
L	A08		i
H	C01.03		i
L	A05.02		i
L	E03.03		i

Rank: H = high, M = medium, L = low

Pollution: N = Nitrogen input, P = Phosphor/Phosphate input, A = Acid input/acidification,

T = toxic inorganic chemicals, O = toxic organic chemicals, X = Mixed pollutions

i = inside, o = outside, b = both

4.5 Documentation

Bond, K.G.M. (1984). Invertebrates of Irish midland raised bogs: part 3. Lepidoptera. Bulletin of the Irish Biogeographical Society 8: 103-110. Cross, J.R. (1990). The Raised Bogs of Ireland: their Ecology, Status and conservation. Unpublished report for the Minister of State at the Department of Finance. Stationery Office, Dublin. Doyle, T. (1990). A Study of Decomposition on Mongan Bog, a Raised Bog in Co Offaly. Ph.D. Thesis, Trinity College Dublin. Doyle, T. and Dowding, P. (1990). Decomposition and aspects of the physical environment in the surface layers of Mongan Bog. In: Doyle, G.J. (ed.). Ecology and Conservation of Irish Peatlands. Pp.163-171. Royal Irish Academy, Dublin. Fox A.D., Norriss, D.W., Stroud, D.A. and Wilson, H.J. (1994). Greenland White-fronted Geese in Ireland and Britain 1982/83 - 1993/94. Greenland White-fronted Goose Study research report no. 8. Greenland White-fronted Goose Study, Wales and National Parks and Wildlife Service, Dublin. Good, J.A. (1985). Invertebrates of Irish midland raised bogs: part IV. Notes on terrestrial insects. Bulletin of the Irish Biogeographical Society 9: 2-5. Higgins, D.G. (1984). Invertebrates of Irish midland raised bogs: part 1. Araneae, Opiliones, Chilopoda. Bulletin of the Irish Biogeographical Society 8: 91-97. Kelly, L., Doak, M. and Dromey, M. (1995). Raised Bog Restoration Project: An Investigation into the Conservation and Restoration of Selected Raised Bog Sites in Ireland. An internal report to the National Parks and Wildlife Service, Dublin. Madden, B. (1987). The birds of Mongan Bog, Co Offaly. Irish Birds 3: 441-448. Madden, B. (1990). Primary production and nutrient cycling in Mongan Bog, a raised bog in Co. Offaly. Unpublished Ph.D. thesis, National University of Ireland. Madden, B. and Doyle G.J. (1990). Primary Production on Mongan Bog. In G. J. Doyle (ed.). Ecology and Conservation of Irish peatlands. Pp. 147-161. Royal Irish Academy, Dublin. National Parks and Wildlife Service (1992-1994). National Areas of Scientific Interest Survey. Unpublished report, National Parks and Wildlife Service, Dublin. Reynolds, J.D. (1984). Invertebrates of Irish midland raised bogs: part 2. Odonata, Aquatic Hemiptera, Trichoptera. Bulletin of the Irish Biogeographical Society 8: 98-102. Tubridy, M. (ed.). (1984). Creation and Management of a Heritage Zone at Clonmacnoise, Co. Offaly, Ireland. Final Report, EEC Contract No. 6611/12. Environmental Sciences Unit, Trinity College Dublin. Tubridy, M. (ed.) (1986). The Heritage of Clonmacnoise. Environmental Sciences Unit, Trinity College Dublin in association with County Offaly vocational educational committee.

5. SITE PROTECTION STATUS (optional)

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5.1 Designation types at national and regional level:

Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IE01	69.0				

5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
IE01	Mongan Bog Nature Reserve	+	69.0

designated at international level:

Type	Site name	Type	Cover [%]

Other	Mongan Bog Nature Reserve	+	69.0
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6. SITE MANAGEMENT

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6.2 Management Plan(s):

An actual management plan does exist:

<input type="checkbox"/> Yes
<input type="checkbox"/> No, but in preparation
<input checked="" type="checkbox"/> No

7. MAP OF THE SITES

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INSPIRE ID:

IE.NPWS.PS.NATURA2000.SAC.IE0000580

Map delivered as PDF in electronic format (optional)

Yes No

Reference(s) to the original map used for the digitalisation of the electronic boundaries (optional).

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