



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 IE0000597
SITENAME Carrowbehy/Caher Bog SAC

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1. SITE IDENTIFICATION

1.1 Type B	1.2 Site code IE0000597	Back to top
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1.3 Site name

Carrowbehy/Caher 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:	2017-06
National legal reference of SAC designation:	292/2017

2. SITE LOCATION

2.1 Site-centre location [decimal degrees]:

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Longitude
-8.65235774

Latitude
53.79397105

2.2 Area [ha]:
345.6592845

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
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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			69.87		G	A	C	A	A
7120			17.79		G	B	C	C	B
7150			3.371143864		M	B	C	C	B

- **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

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.
I	1065	Euphydryas aurinia			p				P	DD	D					

- **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
B		Lagopus lagopus						P					X	
B		Lagopus lagopus						P			X			
P		Rhynchospora fusca						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

4.1 General site character

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Habitat class	% Cover
N08	11.0

N20	1.0
N07	78.0
N10	1.0
N14	3.0
N23	1.0
N06	5.0
Total Habitat Cover	100

Other Site Characteristics

This site is probably underlain by lower carboniferous limestone with increasing shale content towards the top. The increasing shale corresponds to decreasing permeability. The subsoils are dominated by glacial till and fluvio-glacial deposits with a moderate to high permeability. An impermeable iron pan has been noted which probably allowed peat development. The bog has developed in a depression between drumlin ridges to the east. A thin layer of peat has developed over a drumlin ridge forming a heath. Part of the cutover bog has been converted to improved grassland but is included in the site for hydrological reasons.

4.2 Quality and importance

Carrowbehy/Caher Bog is an important example of a 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). Other important habitats which occur within the site include dry heath and alkaline fen. Along the south-eastern edge of the northern lobe there is an area of semi-natural lagg which supports alkaline fen and poor fen vegetation. Lagg areas such as this are of great interest in terms of hydrology and vegetation and are now very rare features of raised bog systems in Ireland. The relatively rare sedge *Rhynchospora fusca* has been recorded from wet pools within the site and *Lagopus lagopus*, a Red Data Book species, has also been noted.

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]
M	E03.01		i
M	J02.05		o
M	I01		i

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside/outside [i o b]
H	B02.02		i
L	A04		b

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

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, Dublin. Douglas, C. and Grogan, H. (1985). Survey to Locate Raised Bogs of Scientific Interest in Counties Galway (E) and Roscommon. Part II. Internal report to the Forest and Wildlife Service, Dublin. 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 for the National Parks and Wildlife Service, Dublin. Lavery, T.A. (1993). A review of the distribution, ecology and status of the marsh fritillary *Euphydryas aurinia* Rottenburg, 1775 (Lepidoptera: Nymphalidae) in Ireland. *Irish Naturalists' Journal* 24: 192-199. National Parks and Wildlife Service (1992-1994). National Areas of Scientific Interest Survey. Unpublished report, National Parks and Wildlife Service, Dublin. van Swaay, C.A.M. and Warren, M.S. (eds.) (2003). Prime Butterfly Areas in Europe - Priority Sites for Conservation. National Reference Centre for Agriculture, Nature and Fisheries, Ministry of Agriculture, Nature Conservation and Fisheries, the Netherlands.

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.IE0000597

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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