



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	1.2 Site code	Back to top
B	IE0000597	

1.3 Site name

Carrowbehy/Caher Bog SAC

1.4 First Compilation date	1.5 Update date
1995-05	2018-09

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

1.7 Site indication and designation / classification dates

Date site classified as SPA:	0000-00
National legal reference of SPA designation	No data
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]:

2.3 Marine area [%]

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
N14	3.0
N07	78.0
N10	1.0
N08	11.0
N06	5.0
N23	1.0
N20	1.0
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	I01		i
M	E03.01		i
M	J02.05		o

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

4.4 Ownership (optional)

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.

5. SITE PROTECTION STATUS (optional)

5.1 Designation types at national and regional level:

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5.2 Relation of the described site with other sites:

5.3 Site designation (optional)

6. SITE MANAGEMENT

6.1 Body(ies) responsible for the site management:

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6.2 Management Plan(s):

An actual management plan does exist:

- Yes
 No, but in preparation
 No

6.3 Conservation measures (optional)

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).