1. SITE IDENTIFICATION

1.1 Type

B

1.2 Site code

IE0002346

1.3 Site name

Brown Bog SAC

1.4 First Compilation date

2003-03

1.5 Update date

2019-09

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

Date site proposed as SCI: 2003-03

Date site confirmed as SCI: No data

Date site designated as SAC: 2018-05

National legal reference of SAC designation: 288/2018

2. SITE LOCATION

2.1 Site-centre location [decimal degrees]:

...
Longitude: -7.854202  
Latitude: 53.732079

2.2 Area [ha]: 73.62426732

2.3 Marine area [%]: 0.0

2.4 Sitelength [km]: 0.0

2.5 Administrative region code and name

<table>
<thead>
<tr>
<th>NUTS level 2 code</th>
<th>Region Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>IE01</td>
<td>Border, Midland and Western</td>
</tr>
</tbody>
</table>

2.6 Biogeographical Region(s)

Atlantic (%)

3. ECOLOGICAL INFORMATION

3.1 Habitat types present on the site and assessment for them

<table>
<thead>
<tr>
<th>Annex I Habitat types</th>
<th>Site assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code</td>
<td>PF</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>7110</td>
<td>10.77</td>
</tr>
<tr>
<td>7120</td>
<td>2.2</td>
</tr>
<tr>
<td>7150</td>
<td>0.465971834</td>
</tr>
</tbody>
</table>

- **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

<table>
<thead>
<tr>
<th>Species</th>
<th>Population in the site</th>
<th>Site assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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3.3 Other important species of flora and fauna (optional)

<table>
<thead>
<tr>
<th>Species</th>
<th>Population in the site</th>
<th>Motivation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Group</td>
<td>CODE</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>Lagopus</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>Lagopus</td>
</tr>
<tr>
<td></td>
<td>P</td>
<td>Sphagnum</td>
</tr>
<tr>
<td></td>
<td>P</td>
<td>Sphagnum</td>
</tr>
</tbody>
</table>

- **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)

4. SITE DESCRIPTION

4.1 General site character

<table>
<thead>
<tr>
<th>Habitat class</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>N10</td>
<td>4.0</td>
</tr>
</tbody>
</table>
### Other Site Characteristics

Brown Bog is a small midland raised bog situated approximately 7 km west of Longford town. Uncut high bog accounts for a relatively high proportion (c.70%) of the site, though the largest part of this is classified as degraded bog. The high bog is surrounded by a rim of cutover bog, much of which has been invaded by Betula pubescens scrub. Other habitats in the cutover zone are broad-leaved woodland, a small stand of planted conifers, and some wet grassland. A large area of cutover bog to the east of the site has recently been planted with conifers.

### 4.2 Quality and importance

Brown Bog is one of the best examples of a small, relatively intact midland raised bog in Ireland at present. The active bog is characterised by flat, quaking areas with frequent pools and with a wet flush. Sphagnum cover is high and includes the relatively rare S. imbricatum and S. fuscum. Lichen cover, mainly Cladonia spp., is high. The degraded area of high bog is relatively undisturbed and considered a good example of the habitat. It is possible that a significant portion of the degraded bog could be re-wetted in the future. Rynchosporion vegetation is well-developed and of good quality. Lagopus lagopus, a threatened and Red listed species in Ireland, has been reported from the site. In general, this small bog is of good quality and has been relatively free of damaging activities such as peat-cutting and drainage.

### 4.3 Threats, pressures and activities with impacts on the site

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

<table>
<thead>
<tr>
<th>Negative Impacts</th>
<th>Positive Impacts</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rank</strong></td>
<td><strong>Threats and pressures [code]</strong></td>
</tr>
<tr>
<td>L</td>
<td>J02.15</td>
</tr>
<tr>
<td>M</td>
<td>K01.03</td>
</tr>
</tbody>
</table>

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


### 6. SITE MANAGEMENT

#### 6.2 Management Plan(s):

An actual management plan does exist:
7. MAP OF THE SITES

INSPIRE ID: IE.NPWS.PS.NATURA2000.SAC.IE0002346

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).
