1. SITE IDENTIFICATION

1.1 Type

1.2 Site code

B

IE0001497

1.3 Site name

Doogort Machair/Lough Doo SAC

1.4 First Compilation date

1999-06

1.5 Update date

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

Date site proposed as SCI: 1999-06

Date site confirmed as SCI: No data

Date site designated as SAC: 2016-10

National legal reference of SAC designation: 527/2016

2. SITE LOCATION

2.1 Site-centre location [decimal degrees]:

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Longitude: -9.980464643
Latitude: 54.01938681

2.2 Area [ha]:
187.8723167

2.3 Marine area [%]
31.861

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>21A0</td>
<td>X</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>G</td>
<td>Code</td>
<td>Scientific Name</td>
</tr>
<tr>
<td>------</td>
<td>-----</td>
<td>-----------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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><strong>Group</strong></td>
<td><strong>CODE</strong></td>
<td><strong>Scientific Name</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Catoscopium nigritum</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fossombronia incurva</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Leicolea gillmanii</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pohlia wahlenbergii</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)
- **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
This small coastal site is located along the northern coast of Achill Island, Co. Mayo. The terrestrial areas of the site are covered by wind-blown sand which has led to the formation of machair surfaces on a number of different levels. These surfaces slope back to two freshwater lakes (Loughs Doo and Nambrack), which are themselves of considerable ecological interest. The main habitat within the site is machair grassland (both dry and damp) with small areas of sandy beach, rocky/shingle shore, lake and freshwater marsh. Grazing and recreational activities are the main land uses within the site and in surrounding areas. Unlike many areas of machair in Co. Mayo, the site has not been damaged by the subdivision and subsequent fencing of the land.

### 4.2 Quality and importance

This site is primarily of interest because of the presence of machair, a priority Annex I habitat. The condition and representativity/diversity of this habitat is good, especially when compared with other sites in Co. Mayo. A small population of the Annex II liverwort Petalophyllum ralfsii occurs within the machair. The site is also important for a large number of nationally rare or scarce bryophyte species, which include Leiocolea gillmanii (the only Irish site), Pohlia walhenbergii, Catascopium nigritum and Fossombronia incurva. The site supports breeding Vanellus vanellus and Calidris alpina, the latter a Red Data Book species.

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

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

| Rank | Threats and pressures [code] | Pollution (optional) [code] | inside/outside [i|o|b] |
|------|-----------------------------|-----------------------------|------------------------|
| H    | A04                         | N06                         | i                       |
| L    | G01.03                      | P01.01                      | o                       |
| M    | G02                         | L07                         | b                       |
| L    | G02.08                      | K01.01                      | i                       |
| H    | G01.03                      | G01.01                      | i                       |
| L    | G01.08                      | G01.08                      | b                       |
| L    | G01.02                      | G01.02                      | b                       |
| H    | A04                         | A04                         | i                       |
| H    | A10                         | A10                         | 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


6. SITE MANAGEMENT

6.2 Management Plan(s):
An actual management plan does exist:

☐ Yes
☐ No, but in preparation
☒ No

7. MAP OF THE SITES

INSPIRE ID: IE.NPWS.PS.NATURA2000.SAC.IE0001497

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).