



# 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 IE0000647  
SITENAME Kilcarren-Firville Bog SAC

## TABLE OF CONTENTS

- [1. SITE IDENTIFICATION](#)
- [2. SITE LOCATION](#)
- [3. ECOLOGICAL INFORMATION](#)
- [4. SITE DESCRIPTION](#)
- [6. SITE MANAGEMENT](#)
- [7. MAP OF THE SITE](#)

## 1. SITE IDENTIFICATION

|          |               |                             |
|----------|---------------|-----------------------------|
| 1.1 Type | 1.2 Site code | <a href="#">Back to top</a> |
| B        | IE0000647     |                             |

### 1.3 Site name

|                            |
|----------------------------|
| Kilcarren-Firville Bog SAC |
|----------------------------|

|                            |                 |
|----------------------------|-----------------|
| 1.4 First Compilation date | 1.5 Update date |
| 1995-05                    | 2021-12         |

### 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:                 | 2021-10  |
| National legal reference of SAC designation: | 556/2021 |

## 2. SITE LOCATION

### 2.1 Site-centre location [decimal degrees]:

[Back to top](#)

Longitude -8.087757622 Latitude 53.06496773

2.2 Area [ha]: 2.3 Marine area [%]

## 2.4 Sitelength [km]:

0.0

## 2.5 Administrative region code and name

NUTS level 2 code

Region Name

|      |                      |
|------|----------------------|
| IE02 | Southern and Eastern |
|------|----------------------|

## 2.6 Biogeographical Region(s)

Atlantic (%)

## 3. ECOLOGICAL INFORMATION

### 3.1 Habitat types present on the site and assessment for them

[Back to top](#)

| 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 | Global |
| 7110B                 |    |    | 28.65       |               | G            | A                | C                | B            | A      |
| 7120B                 |    |    | 60.27       |               | G            | B                | C                | C            | B      |
| 7150B                 |    |    | 1.398729926 |               | M            | B                | C                | B            | 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. |

- **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 |
|---|--|--------------------------------|--|--|-----|-----|--|---------|----|---|---|---|---|---|
| P |  | <a href="#">Frangula alnus</a> |  |  |     |     |  | 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

[Back to top](#)

| Habitat class       | % Cover |
|---------------------|---------|
| N23                 | 1.0     |
| N07                 | 88.0    |
| N20                 | 1.0     |
| N14                 | 10.0    |
| Total Habitat Cover | 100     |

### Other Site Characteristics

This site is underlain by low permeability Waulsortian limestone bedrock with low permeability clayey limestone tills dominating the subsoil. Peat developed in a number of basins which coalesced over low ridges. This has led to the development of infiltration areas along the northern edges.

### 4.2 Quality and importance

Kilcarren-Firville Bog is a relatively large raised bog site which contains good examples of the priority Annex I habitat active raised bog and the non-priority habitats degraded raised bog and depressions on peat substrates (Rhynchosporion). The quality of these habitats is good and, in addition, there is a large area of surrounding cutover which contains a number of regenerating areas and some areas of well-developed scrub. These scrub areas provide habitat for a population of the nationally rare shrub *Frangula alnus*. Of particular hydrological note is the presence of infiltration zones along the margins of the site. These could potentially be developed into lagg areas in the future.

### 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                | A03                          |                             | o                      |
| M                | A10                          |                             | i                      |
| L                | A08                          |                             | i                      |
| L                | D01.02                       |                             | i                      |
| M                | A08                          |                             | o                      |
| L                | C01.03                       |                             | i                      |
| M                | B01                          |                             | o                      |
| L                | J01                          |                             | i                      |
| M                | A04                          |                             | o                      |
| L                | A03                          |                             | i                      |
| L                | A04                          |                             | i                      |
| M                | A10                          |                             | o                      |

| Positive Impacts |                               |                             |                         |
|------------------|-------------------------------|-----------------------------|-------------------------|
| Rank             | Activities, management [code] | Pollution (optional) [code] | inside /outside [i o b] |
| M                | A04                           |                             | o                       |
| M                | A08                           |                             | o                       |
| L                | A03                           |                             | i                       |
| M                | A03                           |                             | o                       |
| M                | B01                           |                             | o                       |
| M                | A10                           |                             | o                       |

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. Stationery Office, 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 to the National Parks and Wildlife Service, Dublin. O'Connell, C. and Mooney, E. (1983). Survey to Locate Raised Bogs of Scientific Interest. Internal report to the Forest and Wildlife Service, Dublin.

### 5. SITE PROTECTION STATUS (optional)

5.1 Designation types at national and regional level:

[Back to top](#)

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:

[Back to top](#)

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

[Back to top](#)

INSPIRE ID:

IE.NPWS.PS.NATURA2000.SAC.IE0000647

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).