



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 IE0001179
SITENAME Muckish Mountain SAC

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1. SITE IDENTIFICATION

1.1 Type B	1.2 Site code IE0001179	Back to top
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1.3 Site name

Muckish Mountain SAC

1.4 First Compilation date 1995-11	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:	No data
National legal reference of SAC designation:	No data

2. SITE LOCATION

2.1 Site-centre location [decimal degrees]:

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Longitude
-7.993322083

Latitude
55.10706276

2.2 Area [ha]:
1522.14853

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

2.6 Biogeographical Region(s)

Atlantic (%)

3. ECOLOGICAL INFORMATION

3.1 Habitat types present on the site and assessment for them

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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
3110			15.23		M	D			
4010			456.84		M	D			
4030			609.12		M	D			
4060			106.6		M	B	C	A	B
7130			106.6		M	D			
8110			76.14		M	D			
8220			60.91		M	B	C	A	C

- **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.
B	A103	Falco peregrinus			p	1	1	i		G	C	C	C	C

- **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		Saussurea alpina						P			X			
P		Saxifraga aizoides						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

Habitat class	% Cover
N22	7.0
N07	12.0
N08	80.0
N06	1.0
Total Habitat Cover	100

Other Site Characteristics

This site is dominated by Muckish Mountain, a large, flat-topped mountain flanked by quartzite and schist scree and by deposits of sand. Heath is the dominant vegetation type on the site, with the mountain top supporting alpine heath. Large areas of scree, both unvegetated and with a heath vegetation occur. Blanket bog, frequently associated with streams, occurs mainly on the margins of the site - much of this has been degraded by peat extraction. Two small lakes are found in the north-eastern section of the site.

4.2 Quality and importance

Muckish Mountain supports a good example of dwarf alpine heath on its summit, an extensive area of quartzite cliffs and small areas of blanket bog about its base. The mountain is notable for the presence of an oceanic-montane bryophyte flora that includes several rare species, and of a number of uncommon montane and arctic-alpine vascular plant species, including two Red Data Book species. The presence of Falco peregrinus on the site is of interest. The site includes an important geomorphological feature - a fossil rock glacier.

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]
L	C01.03.01		i
L	E01.03		o
L	E03		o
L	E03		i
L	C01.01.01		i
L	A04		o
L	K01.01		i
L	D01.02		o
L	D01.02		i
L	D01.01		i
L	C01.03.02		o
L	A04		i
L	B		o
M	C01.03.01		o
L	D01.01		o
L	C01.03.02		i

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside/outside [i o b]
L	E01.03		o
L	D01.01		o
L	K01.01		i
L	A04		o
L	D01.02		o
L	K02.02		i
L	B		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

4.5 Documentation

Young, R. (1973). A Report on Areas of Biological and Geological Interest in County Donegal. Unpublished report to Donegal County Council. An Foras Forbartha, Dublin. Douglas, C., Dunnells, D., Scally, L. and Wyse Jackson, M.B. (1990). A Survey to Locate Lowland-highland Blanket Bogs of Scientific Interest in Counties Donegal, Cavan, Leitrim and Roscommon. Unpublished report to the Wildlife Service, Office of Public Works, Dublin. Wilson, P. (1990). Clast size variations on talus: some observations from northwest Ireland. *Earth Surface, Processes and Landforms* 15: 183-188. Wilson, P. (1990). Morphology, sedimentological characteristics and origin of a fossil rock glacier on Muckish Mountain, northwest Ireland, *Geografiska Annaler* 72A : 237-247. Wilson, P. (1988). Recent sand shadow development on Muckish Mountain, Co Donegal, *Irish Naturalists' Journal* 22 : 529-531. Synnott, D.M. (1984). Notes on *Salix phylicifolia* L. and related Irish willows, *Glasra* 7 : 1-10.

6. SITE MANAGEMENT

6.2 Management Plan(s):

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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.IE0001179

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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