



# 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 IE0001061  
SITENAME Kilkieran Lake and Castlefreke Dunes SAC

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## 1. SITE IDENTIFICATION

<b>1.1 Type</b> B	<b>1.2 Site code</b> IE0001061	<a href="#">Back to top</a>
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### 1.3 Site name

Kilkieran Lake and Castlefreke Dunes SAC

<b>1.4 First Compilation date</b> 1999-07	<b>1.5 Update date</b> 2019-09
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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

<b>Date site proposed as SCI:</b>	1999-07
<b>Date site confirmed as SCI:</b>	No data
<b>Date site designated as SAC:</b>	2018-11
<b>National legal reference of SAC designation:</b>	490/2018

## 2. SITE LOCATION

2.1 Site-centre location [decimal degrees]:

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**Longitude**

-8.956461

**Latitude**

51.55987

**2.2 Area [ha]:**

96.42732871

**2.3 Marine area [%]**

11.948

**2.4 Sitelength [km]:**

0.0

**2.5 Administrative region code and name****NUTS level 2 code****Region Name**

IE02	Southern and Eastern
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**2.6 Biogeographical Region(s)**

Atlantic (%)

**3. ECOLOGICAL INFORMATION**[Back to top](#)**3.1 Habitat types present on the site and assessment for them**

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
1150			17.65		M	A	C	B	B
2110			1.96		M	C	C	B	C
2120			23.53		M	B	C	B	B
2130			2.94		M	C	C	B	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**

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- **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
N06	1.0
N04	42.0
N07	35.0
N05	2.0
N23	1.0
N15	1.0
N02	18.0
<b>Total Habitat Cover</b>	<b>100</b>

### Other Site Characteristics

This site comprises a sand dune system, a natural lagoon and extensive areas of wetland habitats. Kilkeran Lake is a shallow (<3 m) lagoon with a 400 m outlet to the sea. The outlet is blocked for most of the year by a sand/shingle barrier, which is breached occasionally, both naturally and deliberately. An inflowing stream to the lagoon is surrounded by marsh and swamp vegetation. Lough Rahavarrig occurs at the western end of the site and is totally overgrown by swamp vegetation. The sand dune section of the site comprises a complex of dune habitat types. A sandy beach, with a shingle element, extends along the seaward side of the site. The surrounding landuse is mainly intensive agriculture which has contributed to the eutrophication of the lagoon.

### 4.2 Quality and importance

This relatively small site has a fine diversity of coastal and wetland habitats. The main importance is Kilkeran Lake, which is the best example of a sedimentary (percolation) lagoon in south-west Ireland. The lagoon suffers from eutrophication but nevertheless supports an interesting fauna and flora, with a large proportion of lagoonal specialists and several rare invertebrate species (*Allomelita pellucida*, *Hydrometra gracilentia*, *Notonecta viridis*, *Helophorus fulgidicollis*). The sand-shingle barrier is of geomorphological value. The dune system is of importance as it is one of the few in the south-west region. Shifting white dunes are well represented, with small areas of fixed dunes and embryonic dunes. Management will increase the quality of the dunes in the long-term.

### 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]

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside/outside [i o b]
H	A04.02.03		i

M	H01.05		i
L	C01.01		i
H	I02		i
L	D01.01		i
L	E03.01		i
L	G01.03.02		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

#### 4.5 Documentation

Barnes, R.S.K. (1989). Coastal lagoons of Britain: an overview and conservation appraisal. *Biological Conservation* 49: 295-313. Costello, M.J., Holmes, J.M.C., McGrath, D. and Myers, A.A. (1989). A review and catalogue of the Amphipoda (Crustacea) in Ireland. *Irish Fisheries Investigations Series B (Marine)* 33: 3-70. Colhoun, K. (1998). I-WeBS Report 1996-97. BirdWatch Ireland, Dublin. Curtis, T.G.F. (1991a). A site inventory of the sandy coasts of Ireland. In Quigley, M.B. (ed.) *A Guide to the Sand Dunes of Ireland*. E.U.C.C., Dublin. FitzGerald, R. (1992-93). Rare Plant Survey of Co. Cork. Unpublished report to National Parks and Wildlife Service, Dublin. Galvin, P. (1992). The Ecology of the Brackish-water Lagoons of Wexford and East Cork. M.Sc. thesis, University College, Dublin. Good, J.A. (1999). Irish Coastal Lagoon Survey, 1998. Vol V. Dúchas. Good, J.A. and Butler, F.T. (1998). Coastal lagoon shores as a habitat for Staphylinidae and Carabidae (Coleoptera) in Ireland. *Bull. Ir. Biogeogr. Soc.* 21: 21-66. Goodwillie, R. (1986). Report on Areas of Scientific Interest in Co. Cork. Unpublished report prepared for Cork County Council. Hatch, P. and Healy, B. (1998). Aquatic vegetation of Irish coastal lagoons. *Bull. Ir. Biogeogr. Soc.* 21: 2-21. Healy, B. (1999). Irish Coastal Lagoon Survey, 1998. Vol 1, Part 1. Dúchas. Healy, B. and Oliver, G.A. (1998). Irish coastal lagoons: summary of a survey. *Bull. Ir. Biogeogr. Soc.* 21: 116-151. Healy, B., Oliver, G.A., Hatch, P. and Good, J.A. (1997). Coastal Lagoons in the Republic of Ireland. Vol. 2. Inventory of Lagoons and Saline Lakes. Report to the National Parks and Wildlife Service, Dublin. Nelson, B., Foster, G., Weyl, R. and Anderson, R. (1998). The distribution of aquatic Coleoptera in Northern Ireland. Part 2: Families Hydraenidae, Helophoridae, Hydrochidae, Hydrophilidae, Elmidae and Dryopidae. *Bull. Ir. Biogeogr. Soc.* 22: 128-193. Oliver, G.A. (1999). Irish Coastal Lagoon Survey, 1998. Vol IV. Dúchas. Oliver, G.A. and Healy B. (1998). Records of aquatic fauna from coastal lagoons in Ireland. *Bull. Ir. Biogeogr. Soc.* 21: 66-115. Roden, C. (1999). Irish Coastal Lagoon Survey, 1998. Vol III. Dúchas.

## 6. SITE MANAGEMENT

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### 6.2 Management Plan(s):

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.IE0001061

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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