



# 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 IE0000704  
SITENAME Lady's Island Lake SAC

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## 1. SITE IDENTIFICATION

<b>1.1 Type</b> B	<b>1.2 Site code</b> IE0000704	<a href="#">Back to top</a>
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### 1.3 Site name

Lady's Island Lake SAC

<b>1.4 First Compilation date</b> 1999-12	<b>1.5 Update date</b> 2020-10
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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>	1999-12
<b>Date site confirmed as SCI:</b>	No data
<b>Date site designated as SAC:</b>	2018-05
<b>National legal reference of SAC designation:</b>	292/2018

## 2. SITE LOCATION

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

### Longitude

-6.392541

### Latitude

52.193683

## 2.2 Area [ha]:

506.9990288

## 2.3 Marine area [%]

2.375

## 2.4 Sitelength [km]:

0.0

## 2.5 Administrative region code and name

### NUTS level 2 code

### Region Name

IEZZ	Extra-Regio
IE02	Southern and Eastern

## 2.6 Biogeographical Region(s)

Atlantic ( %)

## 3. ECOLOGICAL INFORMATION

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### 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			340.4		M	A	B	B	A
1170			5.4		M	B	C	A	B
1220			43.22		M	A	B	B	A

- **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



Group	CODE	Name	S	NP	Size		Unit	Cat.	Annex			categories			
					Min	Max			C R V P	IV	V	A	B	C	D
I		<a href="#">Agabus conspersus</a>						P							X
B		<a href="#">Anas strepera</a>			20	25	p					X			
I		<a href="#">Atheta gyllenhalli</a>						P							X
I		<a href="#">Atheta liliputana</a>						P							X
P		<a href="#">Centaurium pulchellum</a>						P				X			
I		<a href="#">Cerastoderma glaucum</a>						P							X
I		<a href="#">Cercyon sternalis</a>						P							X
P		<a href="#">Chara canescens</a>						P				X			
I		<a href="#">Conopeum seurati</a>						P							X
I		<a href="#">Gabrius keysianus</a>						P							X
I		<a href="#">Hydrobia ventrosa</a>						P							X
I		<a href="#">Jaera ischiosetosa</a>						P							X
P		<a href="#">Lamprothamnium papulosum</a>						P				X			
P		<a href="#">Mentha pulegium</a>						P				X			
I		<a href="#">Notonecta viridis</a>						P							X
I		<a href="#">Octhebius marinus</a>						P							X
P		<a href="#">Otanthus maritimus</a>						P				X			
I		<a href="#">Palaemonetes varians</a>						P							X
P		<a href="#">Rumex maritimus</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

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Habitat class	% Cover
N05	8.0
N02	63.0
N04	10.0
N07	10.0
N06	1.0
N08	1.0
N10	7.0
<b>Total Habitat Cover</b>	100

### Other Site Characteristics

Situated in the extreme south-east of Ireland, this site comprises a shallow coastal lagoon separated from the sea by a sandy-gravel barrier. Salinity of the lagoon is generally oligo-mesohaline but it is periodically tidal when the barrier is breached. Dune vegetation occurs over much of the barrier. Swamp and marsh vegetation is particularly well developed at Ring Marsh in the south-east of the site. Several small islands within the lagoon are included in the site. The surrounding land is low-lying agricultural land. Carnsore Point, formed by an intrusion of igneous granite, felsite and other intrusive rocks rich in silica, marks the south-eastern boundary of the site.

### 4.2 Quality and importance

Lady's Island Lake is by far the largest and best example of a sedimentary lagoon in the country and one of the best in Europe. It is in a relatively natural condition, despite regular breaching of the barrier separating it from the sea. The flora is typically brackish and includes the Red Data charophyte *Lamprothamnion papulosum*. The fauna of the lagoon is rich, with at least 13 lagoonal specialist species recorded. This coast comprises the best example in Ireland of a landward moving (transgressive) system of gravel-based barrier. The sequence of back barrier washover and seepage structures are among the best in Europe, and, indeed, Lady's Island remains the last intact example in Europe. The site supports typical vegetation of stony banks, including the Red Data Book species *Othanthus maritimum*. A total of six other Red Data Book plant species are present in the site. Carnsore Point has a good example of a littoral reef very exposed to wave action. The reef has wide and well-banded lichen communities that are typical of the supra littoral fringe on very exposed shores. In the sublittoral fringe, the *Alaria esculenta* community is also representative. The site supports breeding *Sterna paradisaea*, and in the past *S. sandvicensis*, *S. hirundo* and *S. dougallii*. The site is important in supporting the internationally important tern colony (for *S. dougallii*, *S. sandvicensis*) at Inish Island. It is of regional importance for wintering waterfowl, including *Pluvialis apricaria* and has one of the highest numbers of breeding wildfowl species in the country, including *Anas strepera* and *Anas querquedula*.

### 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	A09		i
M	H01.05		i
H	J02		i
M	J02.06.01		i
M	I01		b
M	A04.03		i
H	E03		i
H	H01		i
H	G01.03.02		i
M	E03.01		i

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside/outside [i o b]
L	X		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

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Nat. J.* 20: 509-526. Healy, B. and McGrath, D. (1982). Marine Fauna of County Wexford -4: Littoral and Brackish water Fish. *Irish Naturalists' Journal*, 20: 10, 429-435. Hurley, J. (1994). The South Wexford Coast, Ireland - a natural heritage coastline. Telecom Eireann, 31 pp. Hurley, J. (1997). Water Level at Lady's Island Lake, 1984-1996. Kilmore: SWC Promotions. Hurley, J. (1998). Water Level at Lady's Island Lake, 1997. Kilmore: SWC Promotions. Hurley, J. (1999). Water Level at Lady's Island Lake, 1997. Kilmore: SWC Promotions. Keegan, B.F., O'Connor, B.D.S., McGrath, D., Konnecker, G., & O Foighil, D. (1987). Littoral and benthic investigations on the south coast of Ireland -II. The macrobenthic fauna off Carnsore Point. *Proceedings of the Royal Irish Academy*, 87B: 1-14. Kinahan, G.H. (1879). Sea beaches, especially those of Wexford and Wicklow. *Proceedings of the royal Irish Academy, Series 2:3*: 191-208. Merne, O.J. (1980). Ornithological Study of Carnsore Point Area, Co. 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Marine fauna of Co. Wexford 2 - littoral and brackish water Polychaeta. *Irish Naturalists' Journal*, 20: 85-93. O'Connor, B.D.S. (1988). Marine fauna of Co. Wexford 9 - littoral and benthic Echinodermata and Sipunculida. *Irish Naturalists' Journal*, 22: 385-388. 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. Orford, J.D. and Carter, R.W.G. (1982). Geomorphological changes on the barrier coasts of South Wexford. *Irish Geography* 15: 70-784. Parkes, H.K., & Scannell, M.J.P. (1969). A list of marine algae from the Wexford coast. *Irish Naturalists' Journal*, 16: 158-162. Picton, B.E. (1985). Anthozoans (Coelenterata: Anthozoa) new to Ireland and new records of some rarely recorded species. *Irish Naturalists' Journal*, 21: 484-488. 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Ireland: Stoneworts. JNCC, Peterborough. Wyse Jackson, P.N. (1991). Distribution of Irish marine Bryozoa, together with biographical notes relating to the chief researchers in the group. Bull. Ir. biogeogr. Soc. 14: 129-18.

## 5. SITE PROTECTION STATUS (optional)

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### 5.1 Designation types at national and regional level:

Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IE04	1.0				

### 5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
IE04	Lady's Island Lake Refuge for Fauna	*	1.0

## 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:

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).

<input type="text"/>
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