



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 IE0001398
SITENAME Rye Water Valley/Cartron SAC

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1. SITE IDENTIFICATION

1.1 Type B	1.2 Site code IE0001398	Back to top
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1.3 Site name

Rye Water Valley/Cartron SAC

1.4 First Compilation date 1995-08	1.5 Update date 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

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:	2018-11
National legal reference of SAC designation:	494/2018

2. SITE LOCATION

2.1 Site-centre location [decimal degrees]:

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Longitude -6.537185 Latitude 53.380163

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

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
B		Asio otus						P							X
P		Erigon acer						P			X				
P		Hypericum hirsutum						P			X				
I		Orthetrum coerulescens						P							X
P		Scrophularia umbrosa						P			X				
P		Viola hirta						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
N20	10.0
N09	1.0
N23	1.0
N10	5.0
N08	1.0
N06	21.0
N16	50.0
N07	1.0
N14	10.0
Total Habitat Cover	100

Other Site Characteristics

A river valley site which includes at its western end a large area of estate woodland and an artificial lake. The eastern section of the site includes a section of railway, canal and aquaduct; it continues as far as leixlip town. The site is underlain by carboniferous limestone over which has been laid a layer of glacial drift.

4.2 Quality and importance

The importance of the site lies in the presence of a number of rare plant and animal species and a rare habitat, i.e. thermal, mineral, petrifying spring. The spring gives rise to a calcareous marsh, the habitat for *Vertigo angustior* and *Vertigo moulinsiana*. This marsh is species-rich and holds a number of plant and insect species which are rare or locally uncommon in Ireland. Four Red Data Book plant species have been recorded from the site, two of which, *Hypericum hirsutum* and *Viola hirta* are legally protected. The woods at the eastern end of the site have some ornithological interest.

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]

L	A10.01		i
L	A04		i
M	B		i
L	A04		o
L	A08		o
M	E01.01		o
L	D01.02		o
M	J02.05.02		i
L	E01.03		o
L	A08		i

L	D01.02		o
M	E01.01		o
L	E01.03		o
L	A04		i
L	A04		o
L	A08		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

Goodwillie, R.N. (undated). A Preliminary Report on Areas of Scientific Interest in County Kildare. Unpublished report to Kildare County Council. An Foras Forbartha, Dublin. Dromey, M., Johnston, B. and Nairn, R. (1991). Ecological Survey of the Royal Canal. Final report to National Parks and Wildlife Service, Dublin. Doogue, D.A. (1993). Rare Plant Survey of Co Dublin, 1991-1993. Unpublished report to National Parks and Wildlife Service, Dublin. MacNeill, N. (1968). The larva of *Orthetrum coerulescens* (fabricius) and its habitat (Odonata, Anisoptera, Libellulidae). *Entomologist's Gazette* 19:159-163. Anderson, R. and Doogue, D.A. (1982). *Vertigo angustior* Jeffreys refound at Leixlip, Kildare. *Irish Naturalist's Journal* 20:449. Kevan, D.K. (1933). *Vertigo angustior* (Jeffreys) and *Acicula lineata* (Drap.) in Co Kildare. *Irish Naturalists Journal* 4:178-179. Davies, G.L. and Hill, W.M. deC. (1965). A thermal spring in Co Kildare. *Irish Naturalists Journal* 15:73-74. Fahy, E. (1974). Fauna and flora of a thermal spring at Innfield (enfield), Co Meath. *Irish Naturalists Journal* 18:9-12.

5. SITE PROTECTION STATUS (optional)

5.1 Designation types at national and regional level:

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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:

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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

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INSPIRE ID:

IE.NPWS.PS.NATURA2000.SAC.IE0001398

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).

