



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 IE0002162
SITENAME River Barrow and River Nore SAC

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1. SITE IDENTIFICATION

1.1 Type B	1.2 Site code IE0002162	Back to top
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1.3 Site name

River Barrow and River Nore SAC

1.4 First Compilation date 1998-01	1.5 Update date 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

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:	2002-01
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	Latitude
-7.1828	52.5815

2.2 Area [ha]:

2.3 Marine area [%]

					Min	Max				Pop.	Con.	Iso.	Glo.	
B	A229	Alcedo atthis			r	10	10	p		G	C	A	C	B
F	1102	Alosa alosa			c				P	DD	D			
F	1103	Alosa fallax			r				P	DD	B	B	B	A
B	A052	Anas crecca			w	1	471	i		M	C	B	C	B
B	A050	Anas penelope			w	1000	1000	i		G	C	B	C	B
B	A053	Anas platyrhynchos			w	1	528	i		M	C	B	C	B
B	A395	Anser albifrons flavirostris			w	52	52	i		G	C	B	C	C
I	1092	Austropotamobius pallipes			p				P	DD	C	A	C	A
B	A059	Aythya ferina			w	1	83	i		G	C	C	C	C
B	A067	Bucephala clangula			w	1	10	i		G	C	C	C	C
B	A144	Calidris alba			w	20	20	i	P	M	C	B	C	C
B	A149	Calidris alpina			w	2212	2212	i		G	C	A	C	B
B	A037	Cygnus columbianus bewickii			w	31	31	i		G	C	B	C	B
B	A038	Cygnus cygnus			w	76	76	i		G	C	B	C	B
B	A103	Falco peregrinus			r	1	1	p		G	C	B	C	C
B	A130	Haematopus ostralegus			w	939	939	i		M	C	B	C	B
B	A251	Hirundo rustica			c	10000	10000	i		M	B	A	C	A
F	1099	Lampetra fluviatilis			r				P	DD	C	B	C	B
F	1096	Lampetra planeri			p				P	DD	C	B	C	B
B	A157	Limosa lapponica			w	196	196	i		G	C	B	C	B
B	A156	Limosa limosa			w	62	62	i		G	C	B	C	C
M	1355	Lutra lutra			p				P	DD	C	A	C	A
I	1990	Margaritifera durrovensis			p				V	DD	A	C	A	C
I	1029	Margaritifera margaritifera			p				P	DD	C	B	C	B
B	A160	Numenius arquata			w	1	826	i		M	C	B	C	B
F	1095	Petromyzon marinus			r				P	DD	C	B	C	B
B	A140	Pluvialis apricaria			w	3500	3500	i		G	B	A	C	A
F	1106	Salmo salar			r				C	DD	C	B	C	B
B	A048	Tadorna tadorna			w	1	122	i		M	C	A	C	B
P	1421	Trichomanes speciosum	Yes		p	3	3	colonies		G	C	A	C	B
B	A164	Tringa nebularia			w	3	8	i		G	C	A	C	C
B	A162	Tringa totanus			w	1	560	i		M	C	A	C	B
B	A142	Vanellus vanellus			w	2141	2141	i		M	C	B	C	B
I	1016	Vertigo moulinsiana			p				P	DD	B	B	B	B

- **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		Acinos arvensis						P			X			
P		Campanula trachelium						P			X			
P		Carex divisa						P						X
I		Chrysogaster virescens						P						X
P		Colchicum autumnale						P			X			
I		Dictya umbrarum						P						X
P		Erigeron aur						P			X			
P		Galeopsis angustifolia						P			X			
P		Groenlandia densa						P			X			
P		Hordeum secalinum						P			X			
I		Hybomitra muhlfeldi						P						X
M		Lepus timidus hibernicus						P			X			
M		Lepus timidus hibernicus						P					X	
M		Lepus timidus hibernicus						P				X		
M		Meles meles						P					X	
M		Meles meles						P			X			
M		Meles meles						P				X		
I		Mitostoma chrysomelas						P						X
M		Myotis daubentoni						P					X	
M		Myotis daubentoni						P			X			
I		Neoascia obliqua						P						X
P		Orobanche rapum-genistae						P			X			
F		Osmerus eperlanus						P			X			
P		Prunus padus						P			X			
P		Puccinellia fasciculata						P			X			
A		Rana temporaria						P			X			
P		Salvia verbenaca						P			X			
P		Serratula tinctoria						P			X			
P		Serratula tinctoria						V			X			
I		Tetanocera freyi						P						X
P		Trifolium glomeratum						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
N04	1.0
N07	10.0
N10	17.0
N16	5.0
N23	1.0
N03	1.0
N17	3.0
N22	1.0
N15	1.0
N05	1.0
N02	20.0
N19	5.0
N12	4.0
N14	15.0
N08	5.0
N06	10.0
Total Habitat Cover	100

Other Site Characteristics

This site consists of most of the freshwater stretches of the Barrow/Nore River catchments. The Barrow is tidal as far upriver as Graiguenamanagh while the Nore is tidal as far upriver as Inishtioge. The site also includes the extreme lower reaches of the River Suir and all of the estuarine component of Waterford Harbour extending to Creadan Head. The larger of the many tributaries include the Lerr, Fushoge, Mountain, Aughavaud, Owenass, Boherbaun and Stradbally Rivers of the Barrow and the Delour, Dinin, Erkina, Owveg, Munster, Arrigle and King's Rivers on the Nore. Both rivers rise in the Old Red Sandstone of the Slieve Bloom Mountains. They traverse limestone bedrock for a good proportion of their routes, though the middle reaches of the Barrow and many of the eastern tributaries run through Leinster Granite. A wide range of habitats associated with the rivers are included within the site, including substantial areas of woodland (deciduous, mixed), dry heath, wet grassland, swamp and marsh vegetation, salt marshes, a small dune system, biogenic reefs and intertidal sand and mud flats. Areas of improved grassland, arable land and coniferous plantations are included in the site for water quality reasons.

4.2 Quality and importance

The site supports many Annexed habitats including the priority habitats of alluvial woodland and petrifying springs. Quality of habitat is generally good. The site also supports a number of Annex II animal species - *Salmo salar*, *Margaritifera margaritifera*, *M.m. durrovensis*, *Alosa fallax fallax*, *Austroptamobius pallipes*, *Petromyzon marinus*, *Lutra lutra*, *Lampetra fluviatilis* and *L. planeri*. Annex I Bird species include *Anser albifrons flavirostris*, *Falco peregrinus*, *Cygnus cygnus*, *Cygnus columbianus bewickii*, *Limosa lapponica*, *Pluvialis apricaria* and *Alcedo atthis*. A range of rare plants and invertebrates are found in the woods along these rivers and rare plants are also associated with the saltmarsh.

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	J02		b
M	B05		b

Positive Impacts			
Rank	Activities, management [code]	Pollution (optional) [code]	inside/outside [i o b]
L	B02.01.01		b

M	J03.02.01		i
H	H01		b
L	E02		o
M	M01		i
M	C01.03		o
M	A04.01.01		i
M	I01		i
H	K01.01		i
M	J02.02.01		i
H	J02.05.02		i
H	J02.12.02		i
M	F02		o
M	B07		b
L	F02.03		i
M	J02.06		i
L	D03.01		i
L	F02.01.02		i
L	A10.01		i
L	C01.01.01		b
M	B02		b
L	F01.01		i
H	A02.01		b

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

Bowman, K.J., Clabby, K.J., Lucey, J., McGarrigle, M.L. and Toner, P.F. (1996). Water Quality in Ireland 1991-1994. Environmental Protection Agency. Wexford. Browne, A., Dunne, F. and Roche, N. (2000). A Survey of Broadleaf Woodlands in three SACs: Barrow-Nore, River Unshin and Lough Forbes. Unpublished report to National Parks and Wildlife, Dublin. Central Fisheries Board (2000). Electro-fishing Survey of the Arrigle System. Unpublished report. Central Fisheries Board, Dublin. Central Fisheries Board (2001). Irish Salmon Catches 2000. <http://www.cfb.ie/>: February 2001. Central Fisheries Board (2003). Irish Salmon Catches 2001. <http://www.cfb.ie/>: February 2003. Colhoun, K. (2001). I-WeBS Report 1999-2000. BirdWatch Ireland, Dublin. Curtis, T.G.F. and Mc Gough, H.N. (1988). The Irish Red Data Book 1: Vascular Plants. Government Publications, Stationery Office. Dublin. Doris, Y., McGarrigle, M.L., Clabby, K.J., Lucey, J., Neill, M., Flanagan, M., Quinn, M.B., Sugrue, M. and Lehane, M. (1999). Water Quality in Ireland 1995-1997. Statistical Compendium of River Quality Data. Electronic Publication on Disk. Environmental Protection Agency, Wexford. Doris, Y., Clabby, K.J., Lucey and Lehane, M. (2002). Water Quality in Ireland 1998-2000. Statistical Compendium of River Quality Data. Electronic Publication on Disk. Environmental Protection Agency, Wexford. Dromey, M, Johnston, B. and Keane, S. (1994). Ecological Survey of the Barrow Navigation. Part I. Internal Report to the Waterways Division of the Office of Public Works. Fahy, E. (1975). A Preliminary Report on Areas of Scientific Interest in County Carlow. An Foras Forbartha, Dublin. Falvey, J.P., Costello, M.J. and Dempsey, S. (1997). Survey of Intertidal Biotopes in Estuaries in Ireland. Unpublished report to the National Parks and Wildlife Service, Dublin. Farrell, L. (1972). A Preliminary Report on Areas of Scientific Interest in County Laois. An Foras Forbartha, Dublin. FitzGerald, R. (1990-94). National Parks and Wildlife Service Protected and Threatened Flora Survey. Unpublished report to National Parks and Wildlife Service, Dublin. Forest and Wildlife Service (1977). Proposed Nature Reserve in Callan Wood. Unpublished Report, Dublin. Fox, A.D., Norriss, D.W., Stroud, D.A. and Wilson, H.J. (1994). Greenland White-fronted Geese in Ireland and Britain 1982/83-93/94. National Parks and Wildlife Service. Garrett, W. (2001). Old Woodland Survey. Internal Report to Coillte Teo. Gibbons, D.W., Reid, J.B., and Chapman, R. A. (1993). The New Atlas of Breeding Birds in Britain and Ireland: 1988-1991. Poyser. London. Goodwillie, R. (1979). A Preliminary Report on Areas of Scientific Interest in County Wexford. An Foras Forbartha, Dublin. Goodwillie, R. (1989). Report on the Habitats of Abbeyleix Estate. Kelly, D.L and Fuller, B.S.D. (1988). Ancient Woodland in Central Ireland: does it exist? In F. Salbitano (ed.) Human Influence on Forest Ecosystem Development in Europe. P. 363-369. ESF FERN-CNR, Pitagora Editrice, Bologna. King, J.J. (2002). Investigations on shad species in Irish waters, paper presented at Royal Irish Academy National Commission for Hydrobiology, Annual Meeting, 2002. Kurz, I. and Costello, M.J. (1996). Proposed Special Areas of Conservation for Lampreys and Shads. Internal report to National Parks and Wildlife. Kurz, I. and Costello, M.J. (1996b). Current Knowledge on the Distribution of Lampreys and some other Freshwater Fish Species listed in the Habitats Directive. Internal report to National Parks and Wildlife Service. Lelek, A. (1980). Threatened Freshwater Fishes in Europe. Nature and Environment Series No. 18. Council of Europe. Strasbourg. Lucey, J. (1995). The Distribution of *Anodonta cygnea* (L.) and *Anodonta anatina* (L.) (Mollusca: Bivalvia) in Southern Irish rivers and streams with records from other areas, Ir. Nat. J. 25: 1 - 8. Lucey, J. (1993). The Distribution of *Margaritifera margaritifera* (L.) in Southern Irish Rivers and Streams. J. Conch. Lond. 34: 301-310. Lucey, J. and McGarrigle, M.L. (1987). The Distribution of the Crayfish in Ireland. Irish Fisheries Investigations, Series A (Freshwater) No. 29. Malone O' Regan. (1997). Environmental Impact Statement for New Ross Port Company on River Barrow Training Works. Maitland, P.S. (1972). Key to British Freshwater Fishes. Freshwater Biological Association Scientific Publication No. 27. Freshwater Biological Association. Ambleside. Maitland, P.S. (1980). review of the ecology of

lampreys in northern Europe. Canadian Journal of Aquatic Sciences 37: 1944-1952. McGarrigle, M.L., Bowman, J.J., Clabby, K.J., Lucey, J., Cunningham, P., MacCarthaigh, M., Keegan, M., Cantrell, B., Lehane, M., Clenaghan, C. and Toner, P.F. (2002). Water Quality in Ireland 1998-2000. Environmental Protection Agency, Wexford. McGrath, D. and Walsh, P. (1990). Where to Watch Birds in Waterford. Irish Wildbird Conservancy, Waterford. Moorkens, E.A. (1995). Internal report on Freshwater crayfish for National Parks and Wildlife. Moorkens, E.A. (1995b). Mapping of Proposed SAC Area for Margaritifera margaritifera on the Mountain River, Co. Carlow. An internal report for the National Parks and Wildlife Service. Moorkens, E.A. (1996). Studies on the Biology and Ecology of Margaritifera in Ireland. PhD. Thesis. Trinity College, Dublin. Moorkens, E.A., Costello, M.J. and Speight, M.C.D. (1992). Status of the Freshwater pearl Mussel Margaritifera margaritifera and M.M. Durrovenses in the Nore, Barrow and Suir River tributaries, South East Ireland. The Irish Naturalists' Journal 24: 127-131. Ní Dhúill, E., Smyth, N., Waldren, S. & Lynn, D. (2015). Monitoring methods for the Killarney Fern (Trichomanes speciosum Willd.) in Ireland. Irish Wildlife Manuals, No. 82. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Ireland. NPWS, 2010. Site investigations for Sabellaria alveolata (Honey-comb worm) biogenic reefs. Unpublished report. NPWS (2011) Conservation Objectives: River Barrow and River Nore SAC 002162. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht. O'Grady, M. and Sullivan, T. (1994). A fishery survey of the Nore catchment and a development plan for this resource. Central Fisheries Board, Dublin. O'Reilly, P. (1998). Trout and Salmon Rivers of Ireland: on Anglers Guide. Merlin Unwin Books, London. Quigley, D.T.G. (1996). Status and conservation of euryhaline fish in Irish waters. Aquatic Conservation: Marine and Freshwater Ecosystems, Vol. No. 6. pp. 313-318. Quigley, D.T.G. and Flannery, K. (1996). Endangered freshwater fish in Ireland, in Kirchhofer, A. and Hefti, D. (Eds), Conservation of Endangered Freshwater Fish in Europe, Birkhauser Verlag Basel, Switzerland. Reynolds, J.D. (1982). Notes on the Irish Distribution of Freshwater Crayfish. Bulletin of the Irish Biogeographical Society No. 6. Reynolds, J.D. (1998). Ireland's Freshwaters. The Marine Institute, Dublin 1998. Seaward, M.R.D. (1975). Some observations on the status of the lichen genus Lobaria in south east Ireland. The Irish Naturalists' Journal 18, 248-250. Sheppard, R. (1993). Ireland's Wetland Wealth: the Birdlife of the Estuaries, Lakes, Coasts, Rivers, Bogs and Turloughs of Ireland. Irish Wildbird Conservancy, Dublin. SRFB. (2001). Electro-fishing survey of the Glenlahan River. Unpublished. SRFB. (2110) Electro-fishing survey of the Barrow catchment. Unpublished. Wilde, A. (1993). Irish Red Data Book 2: Vertebrates. HMSO. Belfast.

5. SITE PROTECTION STATUS (optional)

5.1 Designation types at national and regional level:

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Code	Cover [%]	Code	Cover [%]	Code	Cover [%]
IE01	1.0	IE05	2.0	IE11	5.0

5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
IE05	River Barrow (Muine Bheag) Wildfowl Sanctuary	+	1.0
IE01	Kyleadohir Nature Reserve	+	1.0
IE05	River Barrow (Goresbridge) Wildfowl Sanctuary	+	1.0
IE11	River Nore Salmonid Water	+	5.0

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:

<input type="checkbox"/>	Yes
<input type="checkbox"/>	No, but in preparation
<input checked="" type="checkbox"/>	No

6.3 Conservation measures (optional)

7. MAP OF THE SITES

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INSPIRE ID:

IE.NPWS.PS.NATURA2000.SAC.IE0002162

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).