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	**IT4020017**
SITENAME	**Aree delle risorgive di Viarolo, Bacini di Torrile, Fascia golenale del Po**

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1. SITE IDENTIFICATION

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1.1 Type	1.2 Site code
C	IT4020017

1.3 Site name

Aree delle risorgive di Viarolo, Bacini di Torrile, Fascia golenale del Po

1.4 First Compilation date	1.5 Update date
2002-07	2022-12

1.6 Respondent:

Name /Organisation:	Regione Emilia-Romagna - Direzione Generale Cura del territorio e dell'ambiente - Servizio Aree protette, foreste e sviluppo della montagna
Address:	Viale Aldo Moro, 30 - 40127 Bologna
Email:	segrprn@regione.emilia-romagna.it

1.7 Site indication and designation / classification dates

Date site classified as SPA:	2004-02
National legal reference of SPA designation	Deliberazione della Giunta Regionale dell'Emilia-Romagna n. 1816 del 22 settembre 2003

Date site proposed as SCI:	2006-09
Date site confirmed as SCI:	No data
Date site designated as SAC:	2019-03
National legal reference of SAC designation:	DM 13/03/2019 - G.U. 79 del 03-04-2019

2. SITE LOCATION

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2.1 Site-centre location [decimal degrees]:

Longitude	Latitude
10.321944	44.929722

2.2 Area [ha]:	2.3 Marine area [%]
2801.0	0.0

2.4 Sitelength [km]:

0.0

2.5 Administrative region code and name

NUTS level 2 code	Region Name
ITD5	Emilia-Romagna

2.6 Biogeographical Region(s)

Continental (100.0 %)

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
3130			1.42		G	B	C	B	B
3140			0.06		G	B	C	A	B
3150			5.29		G	A	C	B	A
3260			2.54		G	A	C	B	A
3270			11.45		G	B	C	A	A
6430			20.03		G	B	C	B	B
6510			4.1		G	B	C	B	B
91E0			0.06		G	B	C	B	B
91F0			3.57		G	B	C	B	B
92A0			94.62		G	B	C	A	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

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	A293	Acrocephalus melanopogon			c				P	DD	C	B	C	C
B	A293	Acrocephalus melanopogon			w				P	DD	C	B	C	C

B	A294	Acrocephalus paludicola			c				V	DD	A	C	A	B
B	A229	Alcedo atthis			c				P	DD	C	B	C	C
B	A229	Alcedo atthis			r	2	2	p		G	C	B	C	C
B	A229	Alcedo atthis			p				P	DD	C	B	C	C
B	A229	Alcedo atthis			w				P	DD	C	B	C	C
F	1103	Alosa fallax			c				P	DD	C	C	B	C
B	A054	Anas acuta			w	66	66	i		G	C	B	C	C
B	A054	Anas acuta			c				P	DD	C	B	C	C
B	A052	Anas crecca			c				P	DD	C	B	C	C
B	A052	Anas crecca			w	464	464	i		G	C	B	C	C
B	A053	Anas platyrhynchos			p				P	DD	C	B	C	B
B	A053	Anas platyrhynchos			r	60	70	p		G	C	B	C	B
B	A053	Anas platyrhynchos			c				P	DD	C	B	C	B
B	A053	Anas platyrhynchos			w	4522	4522	i		G	C	B	C	B
B	A255	Anthus campestris			c				P	DD	C	C	C	B
B	A773	Ardea alba			w	10	10	i		G	C	B	B	B
B	A773	Ardea alba			r	1	1	p		G	C	B	B	B
B	A773	Ardea alba			c				P	DD	C	B	B	B
B	A773	Ardea alba			p				P	DD	C	B	B	B
B	A028	Ardea cinerea			p				P	DD	C	B	C	C
B	A028	Ardea cinerea			c				P	DD	C	B	C	C
B	A028	Ardea cinerea			r	17	17	p		G	C	B	C	C
B	A028	Ardea cinerea			w				P	DD	C	B	C	C
B	A029	Ardea purpurea			c				P	DD	C	B	C	C
B	A029	Ardea purpurea			r				P	DD	C	B	C	C
B	A024	Ardeola ralloides			c				P	DD	C	B	B	C
B	A024	Ardeola ralloides			r	5	5	p		G	C	B	B	C
B	A222	Asio flammeus			c				P	DD	D			
B	A222	Asio flammeus			w				P	DD	D			
I	1092	Austropotamobius pallipes			p				P	DD	C	B	C	C
B	A059	Aythya ferina			w	12	12	i		G	C	B	C	C
B	A059	Aythya ferina			c				P	DD	C	B	C	C
B	A061	Aythya fuligula			c				P	DD	C	B	C	C
B	A061	Aythya fuligula			w	2	2	i		G	C	B	C	C
B	A060	Aythya nyroca			c				P	DD	D			
B	A021	Botaurus stellaris			c				P	DD	C	B	C	B
B	A021	Botaurus stellaris			r	1	1	p		G	C	B	C	B
B	A021	Botaurus stellaris			w				P	DD	C	B	C	B
B	A025	Bubulcus ibis			p				P	DD	C	B	C	B
B	A025	Bubulcus ibis			r	2	2	p		G	C	B	C	B
B	A025	Bubulcus ibis			w	2	2	i		G	C	B	C	B
B	A025	Bubulcus ibis			c				P	DD	C	B	C	B
B	A133	Burhinus oedicnemus			c				P	DD	B	C	A	C
B	A149	Calidris alpina			c				P	DD	C	B	C	C
B	A149	Calidris alpina			w	22	22	i		G	C	B	C	C
B	A861	Calidris pugnax			c				P	DD	C	B	C	C

B	A224	Caprimulgus europaeus			c				P	DD	C	B	C	C
B	A224	Caprimulgus europaeus			r				P	DD	C	B	C	C
B	A138	Charadrius alexandrinus			c				V	DD	B	C	A	C
B	A136	Charadrius dubius			c				P	DD	C	B	C	B
B	A136	Charadrius dubius			r	8	8	p		G	C	B	C	B
B	A734	Chlidonias hybrida			c	50	50	i		G	C	B	B	C
B	A734	Chlidonias hybrida			r				P	DD	C	B	B	C
B	A197	Chlidonias niger			c				P	DD	C	B	C	C
F	1140	Chondrostoma soetta			p				P	DD	C	C	C	C
B	A031	Ciconia ciconia			c				P	DD	C	B	C	C
B	A031	Ciconia ciconia			w	2	2	i		G	C	B	C	C
B	A030	Ciconia nigra			c				P	DD	D			
B	A080	Circaetus gallicus			c				P	DD	D			
B	A081	Circus aeruginosus			w				P	DD	C	B	C	C
B	A081	Circus aeruginosus			c				P	DD	C	B	C	C
B	A081	Circus aeruginosus			p				P	DD	C	B	C	C
B	A082	Circus cyaneus			c				P	DD	C	B	C	C
B	A082	Circus cyaneus			w	10	12	i		G	C	B	C	C
B	A084	Circus pygargus			c				P	DD	C	B	C	C
B	A859	Clanga clanga			c				P	DD	C	B	C	B
B	A859	Clanga clanga			w				P	DD	C	B	C	B
B	A858	Clanga pomarina			c				V	DD	D			
F	5304	Cobitis bilineata			p				C	DD	C	B	C	A
B	A231	Coracias garrulus			r				P	DD	B	C	C	B
B	A480	Cyanecula svecica			c				P	DD	D			
B	A026	Egretta garzetta			w				P	DD	C	B	C	B
B	A026	Egretta garzetta			r	138	140	p		G	C	B	C	B
B	A026	Egretta garzetta			c				P	DD	C	B	C	B
R	1220	Emys orbicularis			p				P	DD	C	B	C	C
I	6199	Euplagia quadripunctaria			p				P	DD	C	B	C	C
B	A101	Falco biarmicus			c				P	DD	D			
B	A511	Falco cherrug			c				V	DD	A	C	B	B
B	A098	Falco columbarius			w				P	DD	C	C	C	B
B	A095	Falco naumanni			r	1	1	p		G	C	B	B	B
B	A095	Falco naumanni			c				P	DD	C	B	B	B
B	A103	Falco peregrinus			p				P	DD	C	B	C	C
B	A103	Falco peregrinus			w				P	DD	C	B	C	C
B	A103	Falco peregrinus			c				P	DD	C	B	C	C
B	A099	Falco subbuteo			r				P	DD	C	B	C	B
B	A099	Falco subbuteo			c				P	DD	C	B	C	B
B	A096	Falco tinnunculus			p				P	DD	C	A	C	B
B	A096	Falco tinnunculus			r				P	DD	C	A	C	B
B	A096	Falco tinnunculus			w				P	DD	C	A	C	B
B	A096	Falco tinnunculus			c				P	DD	C	A	C	B
B	A097	Falco vespertinus			r				P	DD	C	A	C	A
B	A097	Falco vespertinus			c				P	DD	C	A	C	A

B	A125	Fulica atra			w	83	83	i		G	C	B	C	C
B	A125	Fulica atra			r	20	20	p		G	C	B	C	C
B	A125	Fulica atra			c				P	DD	C	B	C	C
B	A125	Fulica atra			p				P	DD	C	B	C	C
B	A153	Gallinago gallinago			w				P	DD	C	B	C	C
B	A153	Gallinago gallinago			c				P	DD	C	B	C	C
B	A154	Gallinago media			c				P	DD	D			
B	A123	Gallinula chloropus			c				P	DD	C	B	C	C
B	A123	Gallinula chloropus			w	278	278	i		G	C	B	C	C
B	A123	Gallinula chloropus			p				P	DD	C	B	C	C
B	A123	Gallinula chloropus			r				P	DD	C	B	C	C
B	A002	Gavia arctica			w				R	DD	D			
B	A189	Gelochelidon nilotica			c				P	DD	D			
B	A135	Glareola pratincola			c				P	DD	C	B	C	C
B	A127	Grus grus			w				P	DD	C	C	C	B
B	A075	Haliaeetus albicilla			w				P	DD	D			
B	A131	Himantopus himantopus			c				P	DD	B	B	C	B
B	A131	Himantopus himantopus			r	60	90	p		G	B	B	C	B
B	A022	Ixobrychus minutus			c				P	DD	C	B	C	B
B	A022	Ixobrychus minutus			r				P	DD	C	B	C	B
B	A338	Lanius collurio			r				P	DD	C	B	C	C
B	A338	Lanius collurio			c				P	DD	C	B	C	C
B	A339	Lanius minor			c				P	DD	C	B	C	B
B	A339	Lanius minor			r	5	9	p		G	C	B	C	B
B	A176	Larus melanocephalus			c				P	DD	D			
B	A179	Larus ridibundus			w	477	477	i		G	C	B	C	C
B	A179	Larus ridibundus			c				P	DD	C	B	C	C
B	A157	Limosa lapponica			c				R	DD	B	C	C	B
I	1083	Lucanus cervus			p				P	DD	C	B	C	B
B	A246	Lullula arborea			c				P	DD	C	B	C	C
B	A246	Lullula arborea			w				P	DD	C	B	C	C
I	1060	Lycaena dispar			p				P	DD	C	B	B	C
B	A855	Mareca penelope			w	84	84	i		G	C	B	C	C
B	A855	Mareca penelope			c				P	DD	C	B	C	C
B	A889	Mareca strepera			w	13	13	i		G	C	B	C	C
B	A889	Mareca strepera			c				P	DD	C	B	C	C
B	A889	Mareca strepera			r				P	DD	C	B	C	C
P	1428	Marsilea quadrifolia			p				P	DD	C	B	B	B
B	A073	Milvus migrans			c				P	DD	D			
B	A074	Milvus milvus			c				P	DD	D			
M	1323	Myotis bechsteinii			p				P	DD	C	B	C	C
M	1324	Myotis myotis			p				P	DD	C	B	C	C
B	A768	Numenius arquata arquata			c				P	DD	C	B	C	C
B	A768	Numenius arquata arquata			w	2	2	i		G	C	B	C	C
B	A023	Nycticorax nycticorax			c				P	DD	C	B	C	B

B	A023	Nycticorax nycticorax			r	200	200	p		G	C	B	C	B
I	1084	Osmoderma eremita			p				P	DD	C	B	C	B
B	A094	Pandion haliaetus			c				P	DD	C	B	C	C
B	A072	Pernis apivorus			c				P	DD	C	B	C	C
B	A017	Phalacrocorax carbo			w	108	108	i		G	C	B	C	C
B	A017	Phalacrocorax carbo			c				P	DD	C	B	C	C
B	A170	Phalaropus lobatus			c				P	DD	B	C	C	B
B	A034	Platalea leucorodia			c				P	DD	D			
B	A032	Plegadis falcinellus			c				P	DD	D			
B	A140	Pluvialis apricaria			c				P	DD	C	B	C	B
B	A140	Pluvialis apricaria			w	22	22	i		G	C	B	C	B
B	A007	Podiceps auritus			w				P	DD	B	C	B	B
B	A005	Podiceps cristatus			c				P	DD	C	B	C	C
B	A005	Podiceps cristatus			w				R	DD	C	B	C	C
B	A119	Porzana porzana			r	1	1	p		G	C	B	C	C
F	5962	Protochondrostoma genei			p				R	DD	C	C	C	C
B	A118	Rallus aquaticus			p				P	DD	C	B	C	C
B	A118	Rallus aquaticus			r	2	2	p		G	C	B	C	C
B	A118	Rallus aquaticus			c				P	DD	C	B	C	C
B	A118	Rallus aquaticus			w	2	2	i		G	C	B	C	C
A	1215	Rana latastei			p				P	DD	C	B	B	B
B	A132	Recurvirostra avosetta			r				P	DD	C	B	C	C
B	A132	Recurvirostra avosetta			c				P	DD	C	B	C	C
B	A132	Recurvirostra avosetta			w	6	6	i		G	C	B	C	C
F	1991	Sabanejewia larvata			p				P	DD	C	C	C	C
B	A857	Spatula clypeata			w	108	108	i		G	C	B	C	C
B	A857	Spatula clypeata			c				P	DD	C	B	C	C
B	A856	Spatula querquedula			r	2	3	p		G	C	B	C	B
B	A856	Spatula querquedula			c				P	DD	C	B	C	B
B	A193	Sterna hirundo			c				P	DD	C	B	C	C
B	A193	Sterna hirundo			r	12	22	p		G	C	B	C	C
B	A885	Sternula albifrons			r				R	DD	C	B	C	C
B	A885	Sternula albifrons			c				P	DD	C	B	C	C
B	A307	Sylvia nisoria			r				P	DD	C	B	C	C
B	A004	Tachybaptus ruficollis			c				P	DD	A	B	C	A
B	A004	Tachybaptus ruficollis			w	36	36	i		G	A	B	C	A
B	A004	Tachybaptus ruficollis			r	217	217	p		G	A	B	C	A
B	A048	Tadorna tadorna			r	1	1	p		G	C	B	C	C
B	A166	Tringa glareola			c				P	DD	C	B	C	C
B	A164	Tringa nebularia			w	2	2	i		G	C	B	C	C
B	A164	Tringa nebularia			c				P	DD	C	B	C	C
B	A165	Tringa ochropus			w	2	2	i		G	C	B	C	C
B	A165	Tringa ochropus			c				P	DD	C	B	C	C
B	A162	Tringa totanus			c				P	DD	C	B	C	C
A	1167	Triturus carnifex			p				P	DD	C	B	C	C
B	A142	Vanellus vanellus			c				P	DD	C	B	C	B

B	A142	Vanellus vanellus			p				P	DD	C	B	C	B
B	A142	Vanellus vanellus			w	3400	3400	i		G	C	B	C	B
B	A142	Vanellus vanellus			r	27	27	p		G	C	B	C	B
B	A892	Zapornia parva			r	1	1	p		G	C	B	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		Bidens cernua						P						X
A	6962	Bufotes viridis Complex						P	X					
P		Callitriche stagnalis						P						X
I		Elater ferrugineus						P						X
M		Eliomys quercinus						P						X
F		Esox lucius						P			X			
F		Gobio gobio						P			X			
P		Groenlandia densa						P						X
R	5670	Hierophis viridiflavus						P	X					
A	5358	Hyla intermedia						P	X					
M	5365	Hypsugo savii						P	X					
M	1344	Hystrix cristata						P	X					
P		Juncus subnodulosus						P						X
F		Knipowitschia punctatissima						P			X			
R	5179	Lacerta bilineata						P	X					
P		Lemna trisulca						P						X
P		Leucojum aestivum aestivum						P						X
P		Myriophyllum spicatum						P						X
P		Myriophyllum verticillatum						P						X
R	1292	Natrix tessellata						P	X					
M	1331	Nyctalus leisleri						P	X					
M	1312	Nyctalus noctula						P	X					
P		Nymphaea alba						P						X
F		Padogobius martensii						P			X			
A	6976	Pelophylax esculentus						P		X				
F		Phoxinus phoxinus						P			X			

M	2016	Pipistrellus kuhlii						P	X					
R	1256	Podarcis muralis						P	X					
P		Riccia fluitans						P						X
P		Rorippa amphibia						P						X
F		Rutilus aula						P				X		
P		Samolus valerandi						P						X
I	1040	Stylurus flavipes						P	X					
I		Sympetrum depressiusculum						P						X
I	1033	Unio elongatulus						P		X				
P		Vallisneria spiralis						P						X
I	1053	Zerynthia polyxena						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

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4.1 General site character

Habitat class	% Cover
N23	2.0
N20	16.0
N06	6.0
N12	70.0
N08	2.0
N14	1.0
N16	3.0
Total Habitat Cover	100

Other Site Characteristics

Il sito, ampliato nel 2021 a ricomprendere la golena Isola Santa Maria fino al ponte della ferrovia presso la stazione di Mezzano Rondani, è caratterizzato da una elevata diversità di ambienti tipici della pianura emiliana quali fontanili, canali, golene fluviali del Po, zone umide ripristinate, bacini dello zuccerificio di Torrile, prati stabili, siepi e filari alberati.

4.2 Quality and importance

Il sito è molto rappresentativo degli ambienti tipici della pianura emiliana: fontanili, canali, golene fluviali del Po, zone umide lentiche, prati stabili, siepi e filari alberati. Specie vegetali RARISSIME e MINACCIATE: Riccia fluitans, Vallisneria spiralis.Specie animali: Importante popolazione di Orsinigobius punctatissimus, specie endemica padana.Esox lucius: scomparso da interi bacini idrogarfici, indicatore di buone condizioni ecologiche.E' uno dei siti della pianura emiliana occidentale con la maggiore ricchezza e diversità ornitica.

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	E01		i

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

M	G11		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

4.4 Ownership (optional)

4.5 Documentation

5. SITE PROTECTION STATUS (optional)

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5.1 Designation types at national and regional level:

Code	Cover [%]
IT07	1.0
IT05	4.0

Code	Cover [%]
IT35	26.0

Code	Cover [%]
IT00	69.0

5.2 Relation of the described site with other sites:

designated at national or regional level:

Type code	Site name	Type	Cover [%]
IT05	Riserva Naturale Regionale Torrile e Trecasali	*	4.0
IT07	Oasi di protezione della fauna Torrile	+	1.0

5.3 Site designation (optional)

6. SITE MANAGEMENT

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6.1 Body(ies) responsible for the site management:

Organisation:	ENTE GESTORE: Ente di Gestione per i Parchi e la Biodiversità Emilia occidentale
Address:	recapiti ed email consultabili sul web: http://ambiente.regione.emilia-romagna.it/it/parchi-natura2000/consultazione/enti-di-gestione/enti-gestione-parchi
Email:	-

6.2 Management Plan(s):

An actual management plan does exist:

- [ ] Yes
- [ ] No, but in preparation
- [x] No

6.3 Conservation measures (optional)

Le Misure Specifiche di Conservazione sono consultabili alla pagina web del sito: http://ambiente.regione.emilia-romagna.it/it/parchi-natura2000/rete-natura-2000/siti/it4020017

7. MAP OF THE SITES

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INSPIRE ID:

Map delivered as PDF in electronic format (optional)

- [ ] Yes
- [x] No

Reference(s) to the original map used for the digitalisation of the electronic boundaries (optional).

182NO 181SE 181NE 1:25.000 UTM