



# 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 **MT0000017**  
SITENAME **Kemmuna u l-Gzejjer ta' Madwarha**

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## 1. SITE IDENTIFICATION

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<b>1.1 Type</b> C	<b>1.2 Site code</b> MT0000017
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### 1.3 Site name

Kemmuna u l-Gzejjer ta' Madwarha
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<b>1.4 First Compilation date</b>	<b>1.5 Update date</b>
2004-04	2019-09

### 1.6 Respondent:

<b>Name/Organisation:</b>	Environment and Resources Authority
<b>Address:</b>	Hexagon House, Spencer Hill, Marsa MRS 1441
<b>Email:</b>	natura2000@era.org.mt

### 1.7 Site indication and designation / classification dates

<b>Date site classified as SPA:</b>	2004-04
<b>National legal reference of SPA designation</b>	Government Notice No. 112 of 2007, in accordance with the Flora, Fauna and Natural Habitats Protection Regulations, 2016 (S.L. 549.44)
<b>Date site proposed as SCI:</b>	2004-04
<b>Date site confirmed as SCI:</b>	2008-03
<b>Date site designated as SAC:</b>	2016-12
<b>National legal reference of SAC designation:</b>	Government Notice No. 1379 of 2016, in accordance with the Flora, Fauna and Natural Habitats Protection Regulations, 2016 (S.L. 549.44)



## 2. SITE LOCATION

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

**Longitude**

14.3363

**Latitude**

36.0129

### 2.2 Area [ha]:

294.64

### 2.3 Marine area [%]

0.0

### 2.4 Sitelength [km]:

0.0

### 2.5 Administrative region code and name

**NUTS level 2 code**

**Region Name**

MT00	Malta
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### 2.6 Biogeographical Region(s)

Mediterranean (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
1240			24.77		G	A	B	B	B
1420			0.52		G	C	B	C	C
2210			0.12		G	C	A	C	C
3170			0.74		G	C	B	C	C
5330			93.55		G	B	A	B	B
5410			89.13		G	B	A	B	B
6220			0.75		G	B	C	B	B
8210			6.13		G	B	B	B	B
92D0			0.31		G	C	B	C	C
9320			1.9		G	A	B	C	B
9540			1.69		G	C	B	C	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

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.
P	4102	<a href="#">Anacamptis urvilleana</a>	Yes		p				P	P	B	B	A	B
B	A243	<a href="#">Calandrella brachydactyla</a>			r				P	P	B	C	C	C
B	A243	<a href="#">Calandrella brachydactyla</a>			c				P	P	B	C	C	C
B	A010	<a href="#">Calonectris diomedea</a>			r	15	20	p		G	C	B	C	B
B	A081	<a href="#">Circus aeruginosus</a>			c				P	P	C	C	C	C
B	A096	<a href="#">Falco tinnunculus</a>			c				P	P	C	C	C	C
B	A097	<a href="#">Falco vespertinus</a>			c				P	P	C	C	C	C
P	4114	<a href="#">Linaria pseudolaxiflora</a>			p				P	P	B	C	A	A
B	A073	<a href="#">Milvus migrans</a>			c				P	P	C	C	C	C
M	1307	<a href="#">Myotis blythii</a>			p				P	DD				
P	4105	<a href="#">Ophrys melitensis</a>	Yes		p				P	P	B	B	A	B
B	A464	<a href="#">Puffinus yelkouan</a>			r	50	80	p		G	B	B	C	B
M	1303	<a href="#">Rhinolophus hipposideros</a>			p				P	DD				
B	A351	<a href="#">Sturnus vulgaris</a>			c				P	P	C	C	C	C
B	A303	<a href="#">Sylvia conspicillata</a>			c				P	P	C	C	C	C
B	A305	<a href="#">Sylvia melanocephala</a>			c				P	P	C	C	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)

## 4. SITE DESCRIPTION

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### 4.1 General site character

Habitat class	% Cover
N05	10.49
N18	0.11
N23	7.78
N03	0.18
N06	0.25
N17	0.57
N09	1.37
N04	0.04
N08	78.0
N27	1.21
<b>Total Habitat Cover</b>	100

### 4.2 Quality and importance

Kemmuna is a small island lying mid-way between Malta and Gozo; surrounded by a number of small islets known as Kemmunett, Il-Ħaġriet ta' bejn il-Kmiemen and l-Iskoll ta' Taħt il-Mazz. The cliff sides on the southern and eastern areas of Kemmuna are characterised by scarps and boulders. The cliffs support *Senecio leucanthemifolius*, a very rare species having a restricted distribution in the Maltese Islands, which is also protected under national legislation. The cliffs are colonised by typical rupestral vegetation which characterises habitats of Calcareous rocky slopes with chasmophytic vegetation. The coastline between the northern and western areas of Kemmuna is indented with coves and inlets. The sea caves of Kemmuna apparently support small colonies of bats. The national distribution range for *Pipistrellus kuhli* – classified as rare under the national RDB, *Pipistrellus pygmaeus*, and the *Plecotus austriacus* – classified as vulnerable under the national RDB, covers also Kemmuna apart from Gozo and Malta. Bats are protected through national legislation. The rocky coast of the islands supports a number of national RDB species such as *Anthemis urvilleana*, a low-growing endemic, and *Plantago crypsoides*. Other species include the *Limonium virgatum* – listed in the national RDB as rare with a restricted distribution in the Maltese Islands, *Limonium melitensis*, *Limonium zeraphae* - a rare endemic species, and *Crucianella rupestris*. Also present is *Sedum litoreum* which is frequent in rocky parts along the coast. The West Mediterranean clifftop phryganas (*Astragalo-Plantaginietum subulatae*) and the Thermo-Mediterranean and pre-desert scrub, which dominate the surface of Kemmuna, are dominated by *Anthyllis hermanniae* and *Euphorbia melitensis*; as well as labiate garrigue species such as *Teucrium fruticans*. The garrigue supports a number of endemic species, which include *Chiladenus bocconeii*, *Allium lojaconoi* and *Anacamptis urvilleana*, which is listed in the national RDB, since it is a rare species of orchid with a restricted distribution in the Maltese Islands. The latter is also protected through national legislation. Other species that inhabit these habitat type include: *Periploca angustifolia*, *Convolvulus oleifolius*, *Sedum caeruleum*, *Euphorbia exigua* var. *pycnophylla*, *Hedysarum spinosissimum*, *Satureja microphylla*, *Thymra capitata*, *Allium melitense*, *Euphorbia melitensis*, and *Scilla sicula*. Most of these species are afforded legal protection or listed in the national RDB due to their restricted nature or their endemism. The few rock pools in the karstland support the endemic *Zannichellia melitensis*. It is legally protected and listed in the national RDB because it is rare with a restricted distribution in the Maltese Islands, since it is normally confined to pools on rocky ground. *Branchipus* sp. is another characteristic species of such rock pools. This taxon is also included in the national RDB, also due to its restricted distribution and rarity in the Maltese Islands. It should be noted that the mapping for Mediterranean temporary ponds has not been fully comprehensive. This is because there are only a few interspersed rockpools in the site despite the presence of limestone. An area has been marked under this habitat type at the area of Tal-Bieqa, which approximately indicates the area where a number of rock pools are found. A small area of Kemmuna and Kemmunett is also characterised by Pseudo-steppe with grasses and annuals of the Thero-Brachypodietea, with *Brachypodium retusum* typifying these areas. In addition, small areas around Kemmuna are also covered by maquis dominated by *Olea europaea* and *Ceratonia siliqua* – hence making these areas *Olea* and *Ceratonia* forests. Both these typical species protected under national legislation. In addition, these areas also contain *Pistacia lentiscus*, which is also protected under national legislation, as well as *Teucrium flavum* and *Lonicera implexa*. Many rare and threatened species are also known from the islet of Kemmunett, including *Anacamptis urvilleana* and the national RDB-listed *Mesembryanthemum crystallinum*.

### 4.3 Threats, pressures and activities with impacts on the site

The most important impacts and activities with high effect on the site

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Negative Impacts			
Rank	Threats and pressures [code]	Pollution (optional) [code]	inside/outside [i o b]
H	J02.11		i
M	B01.02		i
M	I01		i
H	G05.01		b
H	D01.01		i
H	E02.03		i

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

### 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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Organisation:	Environment and Resources Authority
Address:	
Email:	natura.2000@era.org.mt

#### 6.2 Management Plan(s):

An actual management plan does exist:

<input checked="" type="checkbox"/>	Yes	Name: Kemmuna u l-Gzejjer ta' Madwarha Link: <a href="https://era.org.mt/en/Pages/Natura-2000-Management-Planning.aspx">https://era.org.mt/en/Pages/Natura-2000-Management-Planning.aspx</a>
<input type="checkbox"/>	No, but in preparation	
<input type="checkbox"/>	No	

#### 6.3 Conservation measures (optional)

### 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).

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