NATURA 2000 - STANDARD DATA FORM
RELEASE Natura2000_end2024 (27/11/2025)
Lagunas volcánicas del Campo de Calatrava (ES4220005 - SCI)

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1. Site Identification

1.1 Type

B

1.2 Site Code

ES4220005

1.3 Site Name

Lagunas volcánicas del Campo de Calatrava

1.4 First Compilation date

1997-12

1.5 Update date

2024-09

1.6 Respondent

Name/Organisation: Consejería de Desarrollo Sostenible. D.G. de Medio Natural y Biodiversidad. Junta de Comunidades de Castilla- La Mancha

Address: No information provided

Email: rednaturaclm@jccm.es

1.7 Site indication and designation / classification dates

Date site classified as SPA: No information provided

National legal reference of SPA designation: No information provided

Date site proposed as SCI: 1997-12

Date site confirmed as SCI: 2006-07

Date site designated as SAC: 2015-05

National legal reference of SAC designation: Decreto 26/2015, de 07/05/2015, por el que se declaran como Zonas Especiales de Conservación (ZEC) de la Red Natura 2000 en Castilla-La Mancha, 40 Lugares de Importancia Comunitaria (LIC), se propone a la Comisión Europea la modificación de los límites de 14 de estos espacios y se modifican los límites de 8 Zonas de Especial Protección para las Aves (ZEPA). [NID 2015/5845]

Explanations: Plan de gestión aprobado mediante la Orden de 07/05/2015, de la Consejería de Agricultura, por la que se aprueban los Planes de Gestión de 41 espacios de la Red Natura 2000 en Castilla-La Mancha. [NID 2015/5849]

2. Site Location

2.1 Site-centre location [decimal degrees]

Longitude: -4.1063

Latitude: 38.9417

2.2 Area [ha]

1901.39

2.3 Marine area [%]

No information provided

2.4 Sitelength [km] (optional)

No information provided

2.5 Administrative region code and name

NUTS Level 2 Code	Region Name
ES42	Castilla-La Mancha

2.6 Biogeographical Region(s)

Name	Cover [%]
Mediterranean	100

3. Ecological Information

3.1 Habitat types present on the site and assessment for them

Annex I Habitat Types						Site Assessment				
Code	Name	PF	NP	Cover [ha]	Caves [number]	Data Quality	Representativity	Relative Surface	Conservation	Global
1310	Salicornia and other annuals colonizing mud and sand			4.38		G	B	C	B	B
1410	Mediterranean salt meadows (Juncetalia maritimi)			30.7		G	B	C	B	B
1420	Mediterranean and thermo-Atlantic halophilous scrubs (Sarcocornetea fruticosi)			2.19		G	B	C	B	B
3110	Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae)			6.98		G	B	C	B	C
3140	Hard oligo-mesotrophic waters with benthic vegetation of Chara spp.			20.56		G	B	C	B	C
3150	Natural eutrophic lakes with Magnopotamion or Hydrocharition - type vegetation			33.29		G	B	C	B	B
3170	Mediterranean temporary ponds			56.09		G	B	C	B	B
5210	Arborescent matorral with Juniperus spp.			6.72		G	B	C	B	B
5330	Thermo-Mediterranean and			547.67		G	B	C	B	B

Annex I Habitat Types				Site Assessment						
Code	Name	PF	NP	Cover [ha]	Caves [number]	Data Quality	Representativity	Relative Surface	Conservation	Global
	pre-desert scrub									
6420	Mediterranean tall humid grasslands of the Molinio-Holoschoenion			4.89		G	B	C	B	B
8130	Western Mediterranean and thermophilous scree			24.22		G	A	C	A	A
8220	Siliceous rocky slopes with chasmophytic vegetation			9.67		G	A	C	A	A
9320	Olea and Ceratonia forests			23.48		G	B	C	B	B
9340	Quercus ilex and Quercus rotundifolia forests			139.44		G	B	C	B	B

PF: Habitat types 6210, 7130, 9430 priority depend on the habitat characteristics. Letter 'X' indicates that the reported habitat characteristics corresponds to its 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 and 8330 (caves), the number of caves when the 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)
Representativity: A = excellent representativity, B = good representativity, C = significant representativity, D = non-significant presence
Relative Surface: A ≥ 15%, B = 2-15%, C ≤ 2%
Conservation: A = excellent conservation, B = good conservation, C = average or reduced conservation
Global: A = excellent value, B = good value, C = significant value

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		
Group	Code	Scientific Name	S	NP	Type	Size Min	Size Max	Unit	Abundance	Data Quality	Population	Conservation
B	A168	Actitis hypoleucos			w				P	DD	C	B
B	A052	Anas crecca			w	29		i		P	C	B
B	A052	Anas crecca			c	101	250	i		P	C	B
B	A053	Anas platyrhynchos			c	501	1000	i		P	C	B
B	A053	Anas platyrhynchos			r	180	269	p		P	C	B
B	A053	Anas platyrhynchos			w	141		i		P	C	B
B	A043	Anser anser			w	33		i		P	C	B
B	A043	Anser anser			r	7	8	p		P	C	B

Species					Population in the site					Site Assessment		
Group	Code	Scientific Name	S	NP	Type	Size Min	Size Max	Unit	Abundance	Data Quality	Population	Conservation
B	A043	Anser anser			c	51	100	i		P	C	B
B	A028	Ardea cinerea			w	1	5	i		P	C	B
B	A024	Ardeola ralloides			r				V	DD	C	B
B	A059	Aythya ferina			r	53	68	p		P	C	B
B	A059	Aythya ferina			w	4		i		P	C	B
B	A059	Aythya ferina			c	51	100	i		P	C	B
B	A149	Calidris alpina			w	6	10	i		P	C	B
B	A861	Calidris pugnax			w	6	10	i		P	C	B
B	A138	Charadrius alexandrinus			r	15	16	p		P	C	B
B	A136	Charadrius dubius			r	14	22	p		P	C	B
B	A734	Chlidonias hybrida			r	28	38	p		P	C	A
B	A031	Ciconia ciconia			r	1	5	p		P	C	B
B	A081	Circus aeruginosus			p	1	5	p		P	C	B
B	A026	Egretta garzetta			r				P	DD	C	B
B	A125	Fulica atra			w	190		i		P	C	B
B	A125	Fulica atra			r	459	528	p		P	C	B
B	A125	Fulica atra			c	501	1000	i		P	C	B
B	A153	Gallinago gallinago			w	1	50	i		P	C	B
B	A123	Gallinula chloropus			r	70	140	p		P	C	B
B	A123	Gallinula chloropus			c	51	100	i		P	C	B
B	A123	Gallinula chloropus			w	51	100	i		P	C	B
B	A135	Glareola pratincola			r				P	DD	C	B
B	A131	Himantopus himantopus			w	80	80	i		P	C	A
B	A131	Himantopus himantopus			r	129	152	p		P	C	A

Species					Population in the site					Site Assessment		
Group	Code	Scientific Name	S	NP	Type	Size Min	Size Max	Unit	Abundance	Data Quality	Population	Conservation
B	A022	Ixobrychus minutus			r				P	DD	C	B
B	A176	Larus melanocephalus			r				P	DD	C	B
B	A179	Larus ridibundus			w	429		i		P	C	B
B	A179	Larus ridibundus			c	1001	10000	i		P	C	B
B	A179	Larus ridibundus			r	144	167	p		P	C	B
B	A156	Limosa limosa			w				P	DD	C	B
B	A855	Mareca penelope			w	1	50	i		P	C	B
B	A889	Mareca strepera			r	26	34	p		P	C	B
B	A889	Mareca strepera			c	51	1000	i		P	B	B
B	A889	Mareca strepera			w	7		i		P	C	B
B	A058	Netta rufina			r	23	35	p		P	C	B
B	A058	Netta rufina			w	3		i		P	C	B
B	A058	Netta rufina			c	101	250	i		P	C	B
B	A023	Nycticorax nycticorax			r				P	DD	C	B
B	A071	Oxyura leucocephala			r	1	3	p		P	C	B
B	A663	Phoenicopterus roseus			r	2	5	p		P	C	B
B	A663	Phoenicopterus roseus			w	11	50	i		P	C	B
B	A005	Podiceps cristatus			r	28	34	p		P	C	B
B	A008	Podiceps nigricollis			r	116	130	p		P	B	B
B	A722	Porphyrio porphyrio porphyrio			r				P	DD	C	B
B	A118	Rallus aquaticus			w	11	50	i		P	C	B
B	A118	Rallus aquaticus			r	11	50	p		P	C	B
B	A118	Rallus aquaticus			c	11	50	i		P	C	B

Species					Population in the site					Site Assessment		
Group	Code	Scientific Name	S	NP	Type	Size Min	Size Max	Unit	Abundance	Data Quality	Population	Conservation
B	A132	Recurvirostra avosetta			r	5	10	p		P	C	B
B	A857	Spatula clypeata			c	501	1000	i		P	B	B
B	A857	Spatula clypeata			r	9	12	p		P	C	B
B	A857	Spatula clypeata			w	89		i		P	C	B
B	A885	Sternula albifrons			c				V	DD	D	
B	A210	Streptopelia turtur			r	394	1181	p		P	C	C
B	A004	Tachybaptus ruficollis			r	27	37	p		P	C	A
B	A048	Tadorna tadorna			r	1	5	p		P	C	B
B	A165	Tringa ochropus			w	1	5	i		P	C	B
B	A162	Tringa totanus			r	1	5	p		P	C	B
B	A142	Vanellus vanellus			c	251	500	i		P	C	A
B	A142	Vanellus vanellus			r	21	32	p		P	C	A
B	A142	Vanellus vanellus			w	103		i		P	C	A
I	1051	Apteromantis aptera			p				R	DD	C	B
P	1598	Lythrum flexuosum			p				C	DD	A	B
P	1429	Marsilea strigosa			p				C	DD	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: 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), DD = Data deficient (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' has to be filled in)
Population: A = >15%, B = 2-15%, C = <2%, D = non-significant population
Conservation: A = excellent conservation, B = good conservation, C = average or reduced conservation
Isolation: A = population (almost) isolated, B = population not-isolated, but on the margins of are of distribution, C = population not-isolated withing extended distribution range
Global: A = excellent value, B = good value, C = significant value

3.3 Other important species of flora and fauna (optional)

Species					Population in the site				Motivation				
Group	Code	Scientific Name	S	NP	Size Min	Size Max	Unit	Abundance	Species Annex IV	Species Annex V	Other Cat. A	Other Cat. B	Other Cat. C
I		Dilar saldubensis						P				x	
I		Phrydiuchus quijote						P				x	
P		Althenia orientalis						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)
Abundance: C = common, R = rare, V = very rare, P = present - to fill if data are deficient (DD) or in addition to population size information
Motivation: Species Annex IV and Species Annex V: the species is listed under Annex IV or Annex V of the Habitats Directive. A = Species listed in the National Red List, B = Endemic species, C = Species listed under an Internation convention, D = Other reasons

4. Site Description

4.1 General site character

Code	Habitat Class	Cover [%]
N23	Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites)	1
N17	Coniferous woodland	1
N10	Humid grassland, Mesophile grassland	2
N21	Non-forest areas cultivated with woody plants (including Orchards, groves, Vineyards, Dehesas)	3
N18	Evergreen woodland	10
N06	Inland water bodies (Standing water, Running water)	18
N12	Extensive cereal cultures (including Rotation cultures with regular fallowing)	30
N08	Heath, Scrub, Maquis and Garrigue, Phygrana	35
	Total Habitat Cover	100

Other Site Characteristics

Conjunto de lagunas de origen volcánico, situadas en el interior de maares o cráteres explosivos, que tienen su origen al contactar el magma con un manto de agua subterránea, produciendo una erupción muy explosiva y violenta (freatomagmática). En el caso de la Laguna de Caracuel, se trata de un maar sobre una serrata, que consta de depresiones circulares o semielípticas de 500 a 1.000 m. de diámetro, entalladas en los crestones cuarcíticos. Las lagunas de la Carrizosa y la Perdiguera corresponden a maares de llanadas, estados compuestos por grandes depresiones (1.000-1.500 m. de diámetro) circulares o semielípticas, labradas unos 20 ó 40 m. por debajo de la superficie topográfica, que disponen de orlas anulares, cuyos materiales están formados principalmente por fragmentos del sustrato encajante (cuarcitas, pizarras y calizas). La laguna del Prado es una salina endorreica estacional, situada junto al caso urbano de Pozuelo de Calatrava. Se incluyen también la ?Laguna Volcánica de la Alberquilla?, la ?Laguna y Volcán de la Posadilla?, ?Lagunas de Moral de Calatrava?, ?Maar de la Hoya de Cervera?, ?Maar de la Hoya del Mortero? y ?Volcán y Laguna de Peñarroya".

4.2 Quality and importance

La ZEC ?Lagunas Volcánicas del Campo de Calatrava? es un conjunto de lagunas de origen volcánico, ubicadas en la Comarca del Campo de Calatrava y la Comarca de Alcudia y Sierra Morena (Laguna de La Alberquilla, en Mestanza). Diferenciando estas formas volcánicas en dos grandes grupos: relieves positivos o de acumulación (como el volcán de Peñarroya) y los relieves negativos o de destrucción (conocidas con el nombre genérico de ?maares? como son La Posadilla, Hoyas del Mortero y Cervera, La Alberquilla, entre otras). La ?Laguna del Prado? es una salina endorreica estacional, que es sitio Ramsar declarado en 1993. Este humedal sustenta una valiosa vegetación, con formaciones bien conservadas de carófitos subacuáticos halófilos singulares, como Althenia orientalis, pastizales salinos continentales y mediterráneos. Entre la población de aves acuáticas asociadas al humedal, destaca la de Cigüeñuela, Avoceta, diversas limícolas como Chorlitejo chico o Chorlitejo patinegro, la presencia de charrancito y las poblaciones de anátidas. Se incluyen también la ?Laguna Volcánica de la Alberquilla?, la ?Laguna y Volcán de la Posadilla?, ?

Lagunas de Moral de Calatrava?, ?Maar de la Hoya de Cervera?, ?Maar de la Hoya del Mortero? y ?Volcán y Laguna de Peñarroya?. Todas ellas son lagunas estacionales de origen volcánico de gran interés para la conservación por sustentar praderas de gran calidad de Lythrum flexuosum y Marsilea strigosa. En cuanto a la avifauna nidificante e invernante, destacan las poblaciones de Fumarel cariblanco, Cigüeñuela, Aguilucho lagunero, Cigüeña blanca, Zampullín chico o Zampullín cuellinegro, además de diversas especies de anátidas, que encuentran en estos humedales un excelente refugio para la invernada y reproducción estival.

4.3 Threats, pressures and activities with impacts on the site

Negative Impacts

Rank	Threats and pressures [code]	Pollution (optional) [code]	Occurrence [i|o|b]
L	A08		b
L	A09		b
L	D01.01		i
L	D01.02		i
L	E01		b
L	H01		b
L	H02		b
M	A01		b
M	A04		b
M	A07		b
M	C01.07		i
M	E02		b
M	E03		i
M	G02.03		i
M	H06.01		b
M	J02.06		b
M	K01.03		i

Positive Impacts

No data

Rank: H = high, M = medium, L = low
Pollution: N = Nitrogen input, P = Phosphore/Phosphate input, A = Acid input/acidification, T = Toxic inorganic chemicals, O = Toxic organic chemicals, X = Mixed pollutions
Occurrence: i = inside, o = outside, b = both

4.4 Ownership (optional)

Type	[%]
Public - National/Federal	0.05
Public - State/Province	10.01
Public - Local/Municipal	4.1
Public - Any Public	0
Joint or Co-Ownership	0

Type	[%]
Private	85.82
Unknown	0.02
Total	100

4.5 Documentation (optional)

No information provided

5. Site Protection Status

5.1 Designation types at national and regional level (optional)

Code	Cover [%]
ES19	72.5
ES32	3.49
ES04	2.82
ES99	0.04

5.2 Relation of the described site with other sites (optional)

Designation Level	Type Code	Site Name	Type	Cover [%]
National or regional	ES19	Maar de La Hoya de Cervera	*	13.17
National or regional	ES19	Volcán y Laguna de Peñarroya	+	32.35
National or regional	ES19	Maar de la Hoya del Mortero	+	7.11
National or regional	ES32	Laguna de Caracuel	+	3.49
National or regional	ES99	Área crítica águila azor-perdicera	*	0.04
National or regional	ES04	Laguna del Prado	+	2.82
National or regional	ES19	Laguna Volcánica de La Alberquilla	*	4.53
National or regional	ES19	Laguna y Volcán de La Posadilla	+	15.33
National or regional	ES98	Laguna del Prado o Inesperada	*	2.92
National or regional	ramsar	Laguna del Prado	+	2.83

5.3 Site designation (optional)

La ZEC ES4220005 Lagunas volcánicas del Campo de Calatrava incluye un conjunto de Espacios Naturales Protegidos a Nivel Regional que son los Monumentos Naturales Maar de la Hoya de Cervera y Maar de la Hoya del Mortero, Volcán y Laguna de la Posadilla y de Peñarroya, y Laguna de la Alberquilla, así como la Microrreserva Laguna de Caracuel y la Reserva Natural de la Laguna del Prado o La Inesperada, ésta ultima además es Refugio de Fauna y Sitio Ramsar declarado.

6. Site Management

6.1 Body(ies) responsible for the site management

Organisation: Consejería de Desarrollo Sostenible. D.G. de Medio Natural y Biodiversidad. Junta de Comunidades de Castilla- La Mancha

Address: No information provided

Email: rednaturaclm@jccm.es

6.2 Management Plan(s)

- [x] Yes

Name: Plan de Gestión del espacio Red Natura "Lagunas volcánicas del Campo de Calatrava" ES4220005

Link: http://www.castillalamancha.es/node/199607

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

6.3 Conservation measures (optional)

Además de lo establecido en el plan de gestión del espacio Red Natura, las formaciones volcánicas tienen la consideración de elementos geomorfológicos de protección especial por la Ley 9/1999, de 26 de mayo, de Conservación de la Naturaleza de Castilla-La Mancha. Asimismo, estas zonas han sido declaradas "No Registrables" a efectos mineros, por Acuerdo del Consejo de Gobierno de la Junta de Comunidades de Castilla-La Mancha. Además, este espacio está afectado por los programas de conservación y recuperación de especies amenazadas como son el de la Cigüeña negra, Buitre negro, Aguila imperial y Lince iberico.

7. Map of the Site

7.1 INSPIRE ID

No information provided

7.2 Map delivered as PDF in electronic format (optional)

No

