



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 ES0000181
SITENAME La Retuerta y Saladas de Sástago

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1. SITE IDENTIFICATION

| | | |
|----------------------|-----------------------------------|-----------------------------|
| 1.1 Type A | 1.2 Site code ES0000181 | Back to top |
|----------------------|-----------------------------------|-----------------------------|

1.3 Site name

La Retuerta y Saladas de Sástago

| | |
|--|-----------------------------------|
| 1.4 First Compilation date 1999-11 | 1.5 Update date 2012-06 |
|--|-----------------------------------|

1.6 Respondent:

Name/Organisation: Dirección General de Conservación del Medio Natural Departamento de Agricultura, Ganadería y Medio Ambiente Gobierno de Aragón
Address: Plaza San Pedro Nolasco, 7 50001 ZARAGOZA
Email: bancodedatos@aragon.es

1.7 Site indication and designation / classification dates

| | |
|--|---------|
| Date site classified as SPA: | 1999-11 |
| National legal reference of SPA designation | No data |

2. SITE LOCATION

2.1 Site-centre location [decimal degrees]:

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Longitude

Latitude

| | | | | | | | | | |
|-----------|--|--------|--|---|---|--|---|---|---|
| | | 728.65 | | M | C | | C | C | C |
| 92A0 B | | 0.52 | | M | B | | C | B | B |
| 92D0 B | | 111.83 | | M | C | | C | 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. | C |
| B | A247 | Alauda arvensis | | | w | | | | C | DD | C | A | C | A |
| B | A247 | Alauda arvensis | | | p | 5 | 20 | p | | M | C | B | C | B |
| B | A255 | Anthus campestris | | | r | 200 | 250 | p | | M | C | B | C | B |
| B | A091 | Aquila chrysaetos | | | p | 4 | 4 | p | | G | C | B | C | B |
| B | A222 | Asio flammeus | | | w | | | | P | DD | C | B | C | B |
| P | 1500 | Boleum asperum | | | p | -1 | | | | DD | D | | | |
| B | A215 | Bubo bubo | | | p | 3 | 5 | p | | M | C | B | C | B |
| B | A133 | Burhinus oedicephalus | | | w | | | | P | DD | C | C | C | C |
| B | A133 | Burhinus oedicephalus | | | p | 82 | 82 | p | | G | C | A | C | A |
| B | A087 | Buteo buteo | | | p | | | | P | DD | C | B | C | B |
| B | A243 | Calandrella brachydactyla | | | r | 1369 | 2606 | p | | G | C | A | C | A |
| B | A431 | Calandrella rufescens | | | p | 969 | 2477 | p | | G | C | A | C | A |
| B | A224 | Caprimulgus europaeus | | | r | | | | P | DD | C | B | C | B |
| B | A364 | Carduelis carduelis | | | p | | | | C | DD | C | B | C | B |
| B | A364 | Carduelis carduelis | | | w | | | | C | DD | C | B | C | B |
| B | A138 | Charadrius alexandrinus | | | p | 2 | 10 | p | | M | C | C | C | C |

| | | | | | | | | | | | | | | |
|---|------|---|--|--|---|------|------|-------|---|----|---|---|---|---|
| B | A139 | Charadrius morinellus | | | c | | | | R | DD | C | A | C | A |
| B | A430 | Chersophilus duponti | | | p | 10 | 15 | males | | G | C | A | C | A |
| B | A080 | Circaetus gallicus | | | r | 5 | 7 | p | | G | C | B | C | B |
| B | A081 | Circus aeruginosus | | | p | | | | P | DD | C | B | C | B |
| B | A082 | Circus cyaneus | | | w | | | | R | DD | D | | | |
| B | A211 | Clamator glandarius | | | r | | | | P | DD | C | B | C | B |
| B | A207 | Columba oenas | | | w | | | | P | DD | C | A | C | A |
| B | A207 | Columba oenas | | | p | | | | P | DD | C | A | C | A |
| B | A208 | Columba palumbus | | | p | | | | C | DD | C | A | C | A |
| B | A208 | Columba palumbus | | | w | | | | C | DD | C | A | C | A |
| B | A113 | Coturnix coturnix | | | r | | | | P | DD | C | B | C | B |
| B | A212 | Cuculus canorus | | | r | | | | P | DD | C | B | C | B |
| B | A098 | Falco columbarius | | | w | | | | P | DD | C | A | C | A |
| B | A095 | Falco naumanni | | | r | 150 | 150 | p | | G | C | A | C | A |
| B | A095 | Falco naumanni | | | w | | 20 | i | | G | C | B | C | B |
| B | A103 | Falco peregrinus | | | w | | | | R | DD | C | B | C | B |
| B | A103 | Falco peregrinus | | | p | | 1 | p | | G | C | B | C | B |
| B | A099 | Falco subbuteo | | | r | | | | R | DD | C | A | C | A |
| B | A097 | Falco vespertinus | | | c | | | | V | DD | C | B | B | B |
| B | A245 | Galerida theklae | | | p | 2000 | 3000 | p | | M | C | A | C | A |
| B | A127 | Grus grus | | | c | | 100 | i | | G | C | B | C | B |
| B | A092 | Hieraetus pennatus | | | r | 13 | 16 | p | | G | C | B | C | B |
| B | A131 | Himantopus himantopus | | | c | | | | P | DD | C | B | C | B |
| B | A655 | Lanius excubitor meridionalis | | | w | | | | P | DD | C | A | C | A |
| B | A655 | Lanius excubitor meridionalis | | | p | | | | P | DD | C | A | C | A |

| | | | | | | | | | | | | | | |
|---|------|---|--|--|---|-------|-------|-------|---|----|---|---|---|---|
| B | A341 | Lanius senator | | | r | | | | C | DD | C | A | C | A |
| B | A246 | Lullula arborea | | | p | 80 | 120 | p | | M | C | B | C | B |
| B | A242 | Melanocorypha calandra | | | p | 3849 | 5877 | p | | G | C | A | C | A |
| B | A230 | Merops apiaster | | | c | | | | P | DD | C | B | C | B |
| B | A230 | Merops apiaster | | | r | | | | P | DD | C | B | C | B |
| B | A073 | Milvus migrans | | | r | 18 | 25 | p | | G | C | B | C | B |
| B | A074 | Milvus milvus | | | p | 1 | 1 | p | | G | C | B | C | B |
| B | A077 | Neophron percnopterus | | | c | | | | P | DD | D | | | |
| B | A278 | Oenanthe hispanica | | | r | | | | C | DD | C | A | C | A |
| B | A279 | Oenanthe leucura | | | p | 4 | 8 | p | | G | C | B | C | B |
| B | A277 | Oenanthe oenanthe | | | r | | | | P | DD | C | A | C | A |
| B | A277 | Oenanthe oenanthe | | | c | | | | C | DD | C | A | C | A |
| B | A129 | Otis tarda | | | w | 13 | 35 | i | | G | C | A | C | A |
| B | A129 | Otis tarda | | | p | 13 | 25 | i | | G | C | A | C | A |
| B | A129 | Otis tarda | | | c | 13 | 20 | i | | G | C | A | C | A |
| B | A151 | Philomachus pugnax | | | c | | | | P | DD | C | B | C | B |
| B | A205 | Pterocles alchata | | | w | 200 | 300 | i | | G | C | A | C | A |
| B | A205 | Pterocles alchata | | | p | 75 | 90 | i | | G | C | A | C | A |
| B | A420 | Pterocles orientalis | | | p | 75 | 90 | i | | G | C | A | C | A |
| B | A420 | Pterocles orientalis | | | w | 95 | 150 | i | | G | C | A | C | A |
| B | A346 | Pyrrhonorax pyrrhonorax | | | p | 62 | 70 | p | | G | C | B | C | B |
| P | 1391 | Riella helicophylla | | | p | 10000 | 10000 | i | | M | B | B | B | A |
| B | A302 | Sylvia undata | | | p | 500 | 600 | p | | M | C | B | C | B |
| B | A048 | Tadorna tadorna | | | c | | | | P | DD | D | | | |
| B | A128 | Tetrax tetrax | | | r | 39 | 45 | males | | G | C | A | C | A |
| B | A128 | Tetrax tetrax | | | w | | | | R | DD | C | B | C | B |
| B | A142 | Vanellus vanellus | | | c | | | | P | DD | 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)

| Species | | | | Population in the site | | | | Motivation | | | | |
|---------|------|--|---|------------------------|----------|----------|-----------|------------|---------------|---|-------------|---|
| Group | CODE | Scientific Name | S | NP | Size | | Unit | Cat. | Species Annex | | Other categ | |
| | | | | | Min | Max | | | IV | V | A | B |
| R | 2436 | Acanthodactylus erythrurus | | | | | | C | | | X | |
| P | | Allium pardoi | | | 1 | 1 | grids 1x1 | | | | X | X |
| A | 2361 | Bufo bufo | | | | | | P | | | X | |
| I | | Candelacypris aragonica | | | | | | C | | | | X |
| M | 2645 | Cervus elaphus | | | | | | P | | | | |
| P | | Chaenorrhinum reyesii | | | | | | P | | | | X |
| R | 1272 | Chalcides bedriagai | | | | | | P | X | | X | X |
| P | | Crossidium aberrans | | | | | | R | | | | X |
| A | 6284 | Epidalea calamita | | | | | | P | X | | X | |
| P | | Euphorbia isatidifolia | | | | | | P | | | | X |
| P | | Ferula loscosii | | | 12 | 12 | grids1x1 | | | | X | X |
| P | | Halopeplis amplexicaulis | | | 22000000 | 22000000 | area | | | | X | |
| P | | Juniperus thurifera | | | | | | P | | | | |
| P | | Jurinea pinnata | | | | | | P | | | | X |
| P | | Krascheninnikovia ceratoides | | | 12 | 12 | grids1x1 | | | | X | |
| P | | Limonium aragonense | | | 3 | 3 | grids1x1 | | | | X | X |
| P | | Limonium catalaunicum | | | 2 | 2 | grids1x1 | | | | | X |
| P | | Limonium costae | | | | | | P | | | | X |
| P | | Limonium latebracteatum | | | | | | P | | | | X |
| P | | Limonium stenophyllum | | | 9 | 9 | grids1x1 | | | | X | X |

| | | | | | | | | | | | | |
|---|------|---|--|--|----|----|------------|---|---|--|---|---|
| P | | Limonium tournefortii | | | | | | P | | | X | X |
| P | | Microcnemum coralloides | | | 23 | 23 | grids1x1 | | | | X | |
| A | 1198 | Pelobates cultripes | | | | | | P | X | | X | |
| P | | Pottia pallida | | | 10 | 10 | grids1x1 | | | | | |
| R | 2431 | Psammodromus hispanicus | | | | | | C | | | X | |
| P | | Pterygoneurum subsessile | | | 6 | 6 | localities | | | | X | |
| P | | Reseda lutea vivanii | | | | | | R | | | | X |
| P | | Riccia crustata | | | | | | V | | | X | |
| P | | Riella notarisii | | | | | | V | | | X | |
| P | | Senecio auricula | | | 20 | 20 | grids1x1 | | | | X | |
| M | 5861 | Sus scrofa | | | | | | C | | | | |
| P | | Teucrium aragonense | | | | | | P | | | | X |
| P | | Valerianella multidentata | | | | | | P | | | X | 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 |
|----------------------------|---------|
| N23 | |
| N02 | 1.0 |
| N12 | 83.0 |
| N17 | 4.0 |
| N08 | 12.0 |
| Total Habitat Cover | NaN |

Other Site Characteristics

Llanura y barrancos en margas yesíferas con sales del Mioceno, con áreas endorréicas originadas por disolución del sustrato y que tienen multitud de lagunas temporales saladas. En la "Retuerta de Pina", se conserva el sabinar relicto de *Juniperus thurifera* más importante de la Depresión del Ebro.

4.2 Quality and importance

Muy importante avifauna esteparia, con alcaravanes, gangas, ortegas, terreras marismeñas, alondra de Dupont, cernícalos primillas, avutardas, etc. Especies de plantas y artrópodos que demuestran la relación que hubo en el Terciario entre las estepas del centro de Asia y el Mediterráneo Occidental; especies de área disyunta y otras endémicas relacionadas con especies asiáticas. Flora gipsícola y halófila. Último sabinar bien conservado de la Depresión del Ebro.

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] |
| L | J02.05 | | o |
| M | D02.01 | | i |
| L | A09 | | b |
| L | A09 | | i |
| M | A10 | | i |
| M | F03.02.03 | | i |
| H | D01.04 | | i |
| L | A10.01 | | o |
| L | J02.11 | | i |
| L | C01.04.01 | | o |
| L | E02 | | i |
| H | F03.01 | | o |
| L | H02.06 | N | i |
| L | D02.02 | | i |
| M | A04 | | b |
| M | C01.04 | | i |
| M | F03.01 | | i |
| L | F03.02.03 | | o |
| L | G01.03 | | b |
| M | D01.02 | | i |
| M | K01.01 | | o |
| M | A01 | | i |
| L | D01.02 | | o |

| Positive Impacts | | | |
|------------------|-------------------------------|-----------------------------|------------------------|
| Rank | Activities, management [code] | Pollution (optional) [code] | inside/outside [i o b] |
| M | A02 | | b |
| L | D02.02 | | i |
| L | E02 | | 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)

| Type | [%] | |
|-----------------------|------------------|------|
| Public | National/Federal | 0 |
| | State/Province | 0 |
| | Local/Municipal | 0 |
| | Any Public | 2.72 |
| Joint or Co-Ownership | 0 | |
| Private | 0 | |
| Unknown | 0 | |
| sum | 2.72 | |

4.5 Documentation

- Aves de Aragón. Atlas de Especies Nidificantes. DGA-IBERCAJA (1998) - Ecología de Los Monegros. Inst. Estudios Altoaragoneses. (1998). [Recoge amplia relación bibliográfica de publicaciones sobre Los Monegros]. - Areas importantes para las Aves en España. Monografía 5. SEO-BirdLife (1998) - Estudio de las áreas de cría e invernada, bebederos y principales enclaves de aves esteparias. DGA-Garona E.T. Inédito. (1990) - Les groupements vegetaux du Bassin Moyen de l'Ebre et leur dynamisme. Braun Blanquet & Bolos. An. Aula Dei 5 (1957) - Evaluación preliminar del impacto ambiental de los regadíos en el polígono Monegros II. CSIC-MOPU. (1989) - Estudio básico de los recursos naturales y plan de desarrollo sostenible de Monegros Sur. MAPA-DGA-EPTISA (1997) - Establecimiento de las directrices de conservación del cernícalo primilla en Los Monegros. DGA-CSIC (1996) - Informe sobre la población de avutarda de Monegros. DGA. Inédito (1996) - Elaboración de una cartografía temática de los sabinares de Sabina Albar en la comarca de Los Monegros y Sierra de Alcubierre. FUE-DGA (1986) - Manifiesto científico por los Monegros. Boletín SEA, núm. 24. (1999) - Pelayo, E. y Sampietro, F.J. (2000). Incidencia de los tendidos eléctricos sobre aves sensibles en Aragón. Pub. del Consejo de Protección de la Naturaleza de Aragón. Serie Investigación, 19.

5. SITE PROTECTION STATUS (optional)

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5.1 Designation types at national and regional level:

| Code | Cover [%] | Code | Cover [%] | Code | Cover [%] |
|------|-----------|------|-----------|------|-----------|
| ES00 | 100.0 | | | | |

6. SITE MANAGEMENT

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6.1 Body(ies) responsible for the site management:

| | |
|---------------|---|
| Organisation: | Dirección General de Conservación del Medio Natural Departamento de Agricultura, Ganadería y Medio Ambiente Gobierno de Aragón Departamento de Medio Ambiente. Diputación General de Aragón |
| Address: | Plaza San Pedro Nolasco, 7 50001 ZARAGOZA |
| Email: | comena@aragon.es |

6.2 Management Plan(s):

An actual management plan does exist:

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