



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 ITA070016
SITENAME Valle del Bove

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1. SITE IDENTIFICATION

| | | |
|----------------------|-----------------------------------|-----------------------------|
| 1.1 Type C | 1.2 Site code ITA070016 | Back to top |
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1.3 Site name

Valle del Bove

| | |
|--|-----------------------------------|
| 1.4 First Compilation date 1998-06 | 1.5 Update date 2019-12 |
|--|-----------------------------------|

1.6 Respondent:

Name/Organisation: Regione Siciliana Ass.to Territorio e Ambiente Servizio 4°
Address: Via Ugo La Malfa 169 - 90146 Palermo
Email:

1.7 Site indication and designation / classification dates

| | |
|---|---|
| Date site classified as SPA: | 1998-12 |
| National legal reference of SPA designation | Decreto Assessore Ambiente 21 febbraio 2005 |
| Date site proposed as SCI: | 1995-09 |
| Date site confirmed as SCI: | No data |
| Date site designated as SAC: | 2017-03 |
| National legal reference of SAC designation: | DM 31/03/2017 - G.U. 93 del 21-4-2017 |

2. SITE LOCATION

2.1 Site-centre location [decimal degrees]:

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Longitude 15.039167 **Latitude** 37.726111

2.2 Area [ha]: 3101.0 **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 |
|--------------------------|--------------------|

2.6 Biogeographical Region(s)

Mediterranean (100.0%)

3. ECOLOGICAL INFORMATION

3.1 Habitat types present on the site and assessment for them

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| 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 |
| 4090 | | | 469.3 | | M | A | B | A | A |
| 8130 | | | 101.51 | | M | B | C | B | B |
| 8220 | | | 121.17 | | M | C | C | C | C |
| 8320 | | | 1983.63 | 1 | M | A | A | A | A |
| 91AA | | | 0.2 | | P | D | | | |
| 9210 | | | 94.73 | | M | C | C | C | C |
| 9260 | | | 122.27 | | M | C | C | C | C |
| 9340 | | | 5.06 | | P | D | | | |
| 9530 | | | 0.1 | | P | D | | | |

- **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 | A413 | Alectoris graeca whitakeri | | | p | | | | C | DD | C | B | B | B |
| B | A091 | Aquila chrysaetos | | | p | 1 | 1 | p | | G | C | B | B | A |
| B | A081 | Circus aeruginosus | | | c | | | | P | DD | C | C | C | C |
| B | A103 | Falco peregrinus | | | c | | | | P | DD | C | A | C | A |
| B | A246 | Lullula arborea | | | p | | | | P | DD | C | B | C | B |
| B | A077 | Neophron percnopterus | | | c | | | | V | DD | D | | | |
| B | A072 | Pernis apivorus | | | c | | | | C | DD | C | B | C | 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 |
| I | | Agrilus albomarginatus | | | | | | R | | | | | | X |
| I | | Agrilus globulifrons | | | | | | R | | | | X | | |
| P | | Anthemis aetnensis | | | | | | R | | | X | | | |
| I | | Anthocaris damone | | | | | | R | | | | | | X |
| P | | Asplenium septentrionale | | | | | | V | | | X | | | |

| | | | | | | | | | | | | | | | |
|---|------|---|--|--|--|--|--|---|---|--|--|---|---|---|---|
| P | | Astragalus siculus | | | | | | R | | | | | X | | |
| I | | Attalus aetnensis | | | | | | P | | | | | X | | |
| A | | Bufo bufo spinosus | | | | | | V | | | | | | X | |
| I | | Carabus lefebvrei lefebvrei | | | | | | P | | | | | | | X |
| B | | Carduelis cannabina | | | | | | C | | | | | | X | |
| I | | Cladius pectinicornis | | | | | | R | | | | | | | X |
| R | 1284 | Coluber viridiflavus | | | | | | C | X | | | | | | |
| R | 1283 | Coronella austriaca | | | | | | C | X | | | | | | |
| I | | Ebaeus ruffoi | | | | | | R | | | | | X | | |
| R | 1281 | Elaphe longissima | | | | | | C | X | | | | | | |
| P | | Erysimum etnense | | | | | | R | | | | | X | | |
| I | | Euryporus aeniventris | | | | | | R | | | | | | | X |
| M | 1363 | Felis silvestris | | | | | | P | X | | | | | | |
| P | | Galium aetnicum | | | | | | R | | | | | | | X |
| P | | Genista aetnensis | | | | | | C | | | | | X | | |
| P | | Hiracium pallidum | | | | | | V | | | | | X | | |
| M | 1344 | Hystrix cristata | | | | | | P | X | | | | | | |
| I | | Isomira genistae | | | | | | P | | | | | | | X |
| P | | Juniperus hemisphaerica | | | | | | R | | | | | | | X |
| R | 1263 | Lacerta viridis | | | | | | C | X | | | | | | |
| M | | Lepus corsicanus | | | | | | P | | | | | X | | |
| I | | Lionychus fleischeri focarilei | | | | | | R | | | | | X | | |
| I | | Megalinus sabellai | | | | | | R | | | | | X | | |
| B | | Monticola solitaria | | | | | | C | | | | | | X | |
| I | | Myrmosa atra | | | | | | R | | | | | | | X |
| B | | Oenanthe oenanthe | | | | | | C | | | | | | X | |
| I | | Otiorhynchus rhacusensis siculus | | | | | | R | | | | | X | | |
| B | | Phoenicurus ochruros | | | | | | C | | | | | | X | |
| P | | Pinus nigra Arnold ssp. calabrica | | | | | | C | | | | | X | | |
| R | 1250 | Podarcis sicula | | | | | | C | X | | | | | | |
| P | | Quercus congesta | | | | | | C | | | | | X | | |
| P | | Rumex aetnensis | | | | | | R | | | | X | | | |
| P | | Saponaria sicula | | | | | | R | | | | X | | | |
| P | | Scleranthus vulcanicus | | | | | | V | | | | X | | | |
| P | | Senecio aethnensis | | | | | | R | | | | X | | | |
| P | | Senecio ambiguus | | | | | | R | | | | | X | | |
| I | | Stauronematus compressicornis | | | | | | R | | | | | | | X |
| I | | Trachelus troglodyta | | | | | | R | | | | | | | X |
| P | | Viola aethnensis | | | | | | R | | | | X | | | |
| R | | Vipera aspis | | | | | | R | | | | | | 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 |
|----------------------------|------------|
| N08 | 22.0 |
| N16 | 4.0 |
| N22 | 69.0 |
| N17 | 5.0 |
| Total Habitat Cover | 100 |

Other Site Characteristics

La Valle del Bove è il residuo di un'ampia caldera collassata che attualmente riceve le lave provenienti dai coni eruttivi cacuminali che si incanalano lungo il versante orientale. L'area è interessata da quote comprese fra i 1000 e 2800 m. Attualmente la valle è ricoperta in massima parte da coltri di lave recenti e pertanto prive di vegetazione. Solo sugli spuntoni più elevati e lungo i bordi della valle sono presenti formazioni vegetali. Nella parte più elevata sono presenti cespuglieti pulvinari ad *Astragalus siculus* o *Anthemis aetnensis*, mentre a quote inferiori si rinvengono lembi di vegetazione glareicola ad *Helichrysum italicum* e arbusteti a *Genista aetnensis*. Le formazioni boschive sono piuttosto rare e si localizzano nei tratti più elevati con suoli molto maturi. Fra queste si rinvengono faggete, pinete e boschi caducifogli. Il clima di quest'area va dal supramediterraneo al crio-oromediterraneo con ombrotipo compreso tra il sub-umido superiore e l'umido inferiore.

4.2 Quality and importance

Il sito presenta una spettacolare ed enorme caldera di sprofondamento colonizzata da una vegetazione pioniera che annovera anche numerose specie endemiche dell'Etna. Esso è inoltre utilizzato come area di sosta, foraggiamento ed anche nidificazione da Rapaci molto rari e localizzati in Sicilia. La Valle del Bove mostra essenzialmente un notevole interesse vulcanologico per la spettacolarità delle coltri laviche che la ricoprono e dei ripidi costoni che la delimitano. Essa infatti presenta estesi campi lavici privi di vegetazione che ricoprono circa il 70% dell'area. Solo limitati lembi di vegetazione naturale localizzati negli spuntoni più elevati spezzano la monotonia del paesaggio lavico.

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 | F03.02.03 | | i |
| M | L01 | | b |
| M | F04.02 | | i |
| M | G05.01 | | i |
| M | K01.01 | | i |
| M | G01.02 | | 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

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

4.4 Ownership (optional)

4.5 Documentation

BRUNO S., 1970 - Anfibi e Rettili di Sicilia (Studi sulla Fauna Erpetologica Italiana. XI) - Atti dell'Accademia Gioenia di Scienze Naturali, Catania, S.VII, 2: 185-326. LO VALVO F., 1998 - Status e conservazione dell'erpetofauna siciliana - Il Naturalista siciliano, S. IV, 22 (1-2): 53-71. LO VALVO F. & LONGO A.M., 2001 - Anfibi e Rettili in Sicilia - WWF Sicilia, Palermo, 85 pp. LO VALVO M., MASSA B. & SARÀ M. (red.), 1993 - Uccelli e paesaggio in Sicilia alle soglie del terzo millennio - Il Naturalista siciliano, 17 (suppl.): 1-371. MASSA B., LO VALVO M. & CATALISANO A., 1989 - Bird communities on Mount Etna (Italy, Sicily) - Bollettino di Zoologia, 56: 348-356. PESARINI F. & TURRISI G.F., 2001 - Contributo alla conoscenza dei Sinfiti di Sicilia (Hymenoptera Symphyta) - Memorie della Società entomologica italiana, Genova, 80: 183-221. POLI MARCHESE & PATTI G., 2000 - Carta della vegetazione dell'Etna - Firenze SABELLA G. & SPARACIO I., 2004 - Il ruolo dei Parchi siciliani nella conservazione dei taxa di insetti di particolare interesse naturalistico (Insecta Coleoptera et Lepidoptera Rhopalocera) - Il Naturalista siciliano, S. IV, 28 (1): 477-508. TURRISI G.F., 1999 - Contributo alla conoscenza dei Mutillidae di Sicilia (Hymenoptera Aculeata Scolioidea) - Bollettino dell'Accademia Gioenia Scienze Naturali, Catania, 31 (354) (1998): 119-155. TURRISI G.F. & VACCARO A., 1998 - Contributo alla conoscenza degli Anfibi e dei Rettili di Sicilia - Bollettino dell'Accademia Gioenia di Scienze Naturali, Catania, 30 (353) (1997): 5-88. TURRISI G.F. & VACCARO A., 2004 - Anfibi e Rettili del Monte Etna (Sicilia orientale) - Bollettino dell'Accademia Gioenia di Scienze Naturali, Catania, 36 (363) (2003): 5-103.

5. SITE PROTECTION STATUS (optional)

5.1 Designation types at national and regional level:

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| Code | Cover [%] | Code | Cover [%] | Code | Cover [%] |
|------|-----------|------|-----------|------|-----------|
| IT04 | 100.0 | | | | |

5.2 Relation of the described site with other sites:

designated at national or regional level:

| Type code | Site name | Type | Cover [%] |
|-----------|------------------------------------|------|-----------|
| IT04 | Parco Naturale Regionale dell'Etna | - | 7.0 |

5.3 Site designation (optional)

6. SITE MANAGEMENT

6.1 Body(ies) responsible for the site management:

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| | |
|---------------|---------------------------|
| Organisation: | Parco Regionale dell'Etna |
| Address: | |
| Email: | |

6.2 Management Plan(s):

An actual management plan does exist:

| | |
|---|---|
| <input checked="" type="checkbox"/> Yes | Name: Piano di gestione approvato con prescrizione Monte Etna decreto n. 670 del 30/06/2009 |
| | Link: |

No, but in preparation

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).

58140 58150 58160 58100 58110 58120 59090 58070 58080 59050 58030 58040 59010 59020 41150 41160 42130 42140 42090 42100 1:10000 UTM32N WGS84