



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 PTMAD0013

SITENAME Porto Novo

TABLE OF CONTENTS

- [1. SITE IDENTIFICATION](#)
- [2. SITE LOCATION](#)
- [3. ECOLOGICAL INFORMATION](#)
- [4. SITE DESCRIPTION](#)
- [6. IMPACTS AND ACTIVITIES IN AND AROUND THE SITE](#)
- [7. MAP OF THE SITE](#)

1. SITE IDENTIFICATION

1.1 Type B	1.2 Site code PTMAD0013	Back to top
----------------------	-----------------------------------	-----------------------------

1.3 Site name

Porto Novo

1.4 First Compilation date 2015-12	1.5 Update date -
--	-----------------------------

1.6 Respondent:

Name/Organisation:	Secretaria Regional do Ambiente e Recursos Naturais
Address:	Rua Dr. Pestana Júnior n.º 6, 5.º Andar 9064-506 Funchal
Email:	gabinete.sra@madeira.gov.pt

Date site proposed as SCI:	2015-12
Date site confirmed as SCI:	No data
Date site designated as SAC:	No data
National legal reference of SAC designation:	No data

2. SITE LOCATION

2.1 Site-centre location [decimal degrees]:

[Back to top](#)

B		harterti			0	0		P				X		
I		Calliptamus madeirae			0	0		P				X		
B	A364	Carduelis carduelis			0	0		P						X
B	A363	Carduelis chloris			0	0		P						X
P		Carlina salicifolia			0	0		C						X
P		Ceterach iolegnamense			0	0		P				X		
B	A206	Columba livia			0	0		P						X
P		Crambe fruticosa			0	0		R				X		
I		Craspedopoma monizianum			0	0		P				X		
I		Discula polymorpha polymorpha			0	0		P				X		
I		Disculella maderensis maderensis			0	0		P				X		
P		Echium nervosum			0	0		C				X		
P		Erica canariensis			0	0		R						X
B	A269	Erithacus rubecula			0	0		P						X
P		Euphorbia piscatoria			0	0		C				X		
P		Exormotheca pustulosa			0	0		P				X		
B	A096	Falco tinnunculus			0	0		P						X
P		Fissidens coacervatus			0	0		P			X	X		
P		Genista tenera			0	0		R				X		
P		Globularia salicina			0	0		C						X
I		Hogna insularum			0	0		P				X		
I		Hogna maderiana			0	0		P				X		
P		Hypericum canariensis			0	0		C						X
I		Janulus bifrons			0	0		P				X		
P		Jasminum odoratissimum			0	0		C						X
B	A604	Larus michahellis			0	0		P						X

P		Laurus novocanariensis			0	0		R						X
I		Leiostyla millegrana			0	0		P				X		
I		Leiostyla sphinctostoma			0	0		P				X		
I		Leptaxis groviana groviana			0	0		P				X		
P		Micromeria maderensis			0	0		C				X		
B	A261	Motacilla cinerea			0	0		P						X
P		Myrtus communis			0	0		C						X
P		Olea maderensis			0	0		C				X		
M	2017	Pipistrellus maderensis			0	0		P	X					
P		Plantago maderensis			0	0		C				X		
P		Polypodium macaronesicum			0	0		C						X
P		Riccia crozalsii			0	0		P				X		
P		Salix canariensis			0	0		R						X
P		Siderites candicans			0	0		R				X		
P	1651	Sideroxylon marmulano			0	0		V	X			X		
P		Sinapidendron angustifolium			0	0		C				X		
P		Smilax pendulina			0	0		R				X		
P		Sonchus ustulatus			0	0		R				X		
I		Staurodon saxicola			0	0		P				X		
P		Tamus edulis			0	0		R						X
R		Teira dugesii dugesii			0	0		P	X			X		
P		Tolpis suculenta			0	0		C						X
B	A213	Tyto alba			0	0		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

[Back to top](#)

4.1 General site character

Habitat class	% Cover
N08	70.0
N18	30.0
Total Habitat Cover	100

Other Site Characteristics

É imperativo destacar que este sítio alberga tipos habitat fortemente fragmentados e ameaçados (habitats 5330 e 9320), característicos das cotas mais baixas, tendo sido os habitats terrestres que mais foram impactados pelas atividades humanas desde o início do século XV até à atualidade. A par com estes habitats temos a presença de uma variante de Laurissilvas Macaronésicas (habitat 9360), i.e. laurissilva do barbusano, a qual se encontra na mesma situação de ameaça que os primeiros (habitats 5330 e 9320). Neste sítio são observadas genericamente comunidades que se integram no complexo de vegetação climatófila [séries de vegetação] denominado Mayteno umbellatae-Oleo maderensis sigmetum [série do zambujal madeirense]: 1) O clímax (Mayteno umbellatae- Oleetum maderensis) (inclui-se no habitat 9320) corresponde a micro-bosques ou matagais infra-florestais dominados por arbustos paleomediterrânicos esclerófilos, xerófitos e termófilos como sejam *Olea maderensis*, *Maytenus umbellata*, *Chamaemeles coriacea*, *Dracaena draco*, e *Asparagus scoparius*; 2) O mato de substituição (inclui-se no habitat 5330) do Mayteno- Oleetum maderensis é maioritariamente, em solos medianamente profundos menos erodidos e solos agrícolas abandonados, a comunidade de figueira-do-inferno (*Euphorbietum piscatoriae*). Também temos presente uma comunidade, i.e. *Myrto communis*-*Hypericetum canariensis* (inclui-se no Habitat 5330), dominada pelo nanofanerófito *Hypericum canariense* que atinge 3 m de altura, sendo uma comunidade infra-termomediterrânica, sub-húmida, subserial dos barbusanais (*Semele-Apollonietum barbujanae*) mais termófilos, do Sul da Ilha da Madeira entre nas cotas mais baixas. Esta comunidade enquadra-se no complexo de vegetação climatófila [séries de vegetação] denominado *Semele androgynae*- *Apollonio barbujanae* sigmetum subserial dos barbusanais (*Semele-Apollonietum barbujanae*), mais termófilos, do Sul da Ilha da Madeira nas cotas mais baixas. Desta forma, temos como vegetação clímax a Laurissilva do barbusano (Habitat 9360).

4.2 Quality and importance

Assegurar a sobrevivência a longo prazo dos habitats 5330 e 9320, e assegurar a recuperação da variante laurissilva do barbusano (habitat 9360), bem como das espécies respetivas, em particular de *Olea maderensis*. Os táxones seguintes: *Apollonias barbujana*, *Carlina salicifolia*, *Erica canariensis*, *Globularia salicina*, *Hypericum canariensis*, *Jasminum odoratissimum*, *Laurus novocanariensis*, *Myrtus communis*, *Polypodium macaronesicum*, *Salix canariensis*, *Tamus edulis*, *Tolpis succulenta* são incluídos na lista de espécies no campo 3.3 pelo facto de se constituírem como elementos estruturantes dos dois habitats predominantes neste Sítio, para além de todos eles serem táxones endémicos da Macaronésia à excepção de *Polypodium macaronesicum* e de *Myrtus communis*.

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	A01		i
M	G01.03.02		i
L	J01.01		i

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

H	H04.03		i
H	C01		i
H	J02.03		i
M	K01.01		i
M	I01		i
M	K03.04		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

4.5 Documentation

Borges, P.A.V., Abreu, C., Aguiar, A.M.F., Carvalho, P., Jardim, R., Melo, I., Oliveira, P., Sérgio, C., Serrano, A.R.M. & Vieira, P. (eds.) (2008). A list of the terrestrial fungi, flora and fauna of Madeira and Selvagens archipelagos. Direção Regional do Ambiente da Madeira and Universidade dos Açores, Funchal and Angra do Heroísmo. Cameron RAD, Cook LM (2001). Madeiran snails: Faunal differentiation on a small island, *Journal of Molluscan Studies*, 67:257-267. Costa, J. C., J. Capelo, R. Jardim, M. Sequeira, D. Espírito-Santo, M. Lousã, S. Fontinha, C. Aguiar & S. Rivas-Martínez. 2004. Catálogo sintaxonómico e florístico das comunidades vegetais da Madeira e Porto Santo José Carlos. *Quercetea* 6: 61-187 Jardim, R. & M.M. Sequeira. 2010. On *Plantago costae* Menezes a forgotten species of the Madeira Flora. *Silva Lusitana* 18(2): 239 – 246. Jardim, R. & M.M. Sequeira. 2011. *Sonchus parathalassius* J.G. Costa ex R. Jardim & M. Seq., a new species from Porto Santo Island (Madeira Archipelago). *Silva Lusitana* 19(2): 233 – 245. Lobin, W., T. Leyens, A. Santos, H. Costa Neves & I. Gomes. 2005. The genus *Sideroxylon* (Sapotaceae) on the Madeira, Canary Islands and Cape Verde archipelagos. *Vieraea* 33: 119-144. Puppo, P. & H. Meimberg. 2015. New species and new combinations in *Micromeria* (Lamiaceae) from the Canary Islands and Madeira. *Phytotaxa* 230 (1): 1-21. Rivas-Martínez, S., F. Fernández-González, J. Loidi, M. Lousã & A. Penas. 2002. *Olea maderensis* (Lowe) Rivas Mart. & Del Arco comb. nov., p. 705. IN: *Vascular Plant Communities of Spain and Portugal Addenda to the Syntaxonomical Checklist of 2001*. *Itinera Geobotanica* 15(2): 433-922. Seddon MB (2008). An illustrated compendium of the landsnails and slugs of the Madeiran archipelago. *Studies in Biodiversity and Systematics of Terrestrial Organisms from the National Museum of Wales, Biotir Reports*. Seddon MB (2013). *Actinella lentiginosa*. The IUCN Red List of Threatened Species 2013: e.T157110A5037660. <http://dx.doi.org/10.2305/IUCN.UK.2011-1.RLTS.T157110A5037660.en>. Seddon MB (2013). *Actinella nitidiuscula*. The IUCN Red List of Threatened Species 2013: e.T157055A5042372. <http://dx.doi.org/10.2305/IUCN.UK.2011-1.RLTS.T157055A5042372.en>. Seddon MB (2013). *Craspedopoma monizianum*. The IUCN Red List of Threatened Species 2013: e.T156955A5021127. <http://dx.doi.org/10.2305/IUCN.UK.2011-1.RLTS.T156955A5021127.en>. Seddon MB (2013). *Discula polymorpha*. The IUCN Red List of Threatened Species 2013: e.T156868A5009887. <http://dx.doi.org/10.2305/IUCN.UK.2011-1.RLTS.T156868A5009887.en>. Seddon MB (2013). *Disculella madeirensis*. The IUCN Red List of Threatened Species 2013: e.T6732A12802234. <http://dx.doi.org/10.2305/IUCN.UK.2011-1.RLTS.T6732A12802234.en>. Seddon MB (2013). *Leiostyla millegrana*. The IUCN Red List of Threatened Species 2013: e.T171761A6801799. <http://dx.doi.org/10.2305/IUCN.UK.2011-1.RLTS.T171761A6801799.en>. Seddon MB (2013). *Leiostyla sphinctostoma*. The IUCN Red List of Threatened Species 2013: e.T171321A6799751. <http://dx.doi.org/10.2305/IUCN.UK.2011-1.RLTS.T171321A6799751.en>. Seddon MB (2013). *Leptaxis groviana*. The IUCN Red List of Threatened Species 2013: e.T156493A4953615. <http://dx.doi.org/10.2305/IUCN.UK.2011-1.RLTS.T156493A4953615.en>. Teixeira S (2005). “Os morcegos (Mammalia: Chiroptera) do Arquipélago da Madeira: Identificação Morfológica e Acústica. Um Contributo para a sua Conservação”. Tese de Licenciatura. Universidade da Madeira. Funchal. 50pp. Teixeira S (2012). Agreement on the Conservation of Populations of European Bats. Report on Implementation of the Agreement in Autonomous Region of Madeira. In: Agreement on the Conservation of Populations of European Bats. Report on Implementation of the Agreement in Portugal. 2012/17th Advisory Committee Meeting. ICNB. Ministério do Agricultura, Mar, Ambiente e Ordenamento do Território. 46 pp. Teixeira S (2013). Agreement on the Conservation of Populations of European Bats. Report on Implementation of the Agreement in Autonomous Region of Madeira. In: Agreement on The Conservation of Populations of European Bats. Report on Implementation of the Agreement in Portugal. 2013/18th Advisory Committee Meeting. ICNF. Ministério do Agricultura, Mar, Ambiente e Ordenamento do Território. 43 pp. Teixeira S (2014). Agreement on the Conservation of Populations of European Bats. Report on Implementation of the Agreement in Autonomous Region of Madeira. In: Agreement on The Conservation of Populations of European Bats. Report on Implementation of the Agreement in Portugal. 2014/7th MoP. ICNF. Ministério do Agricultura, Mar, Ambiente e Ordenamento do Território. 74 pp. Teixeira S, Jesus J (2009). Echolocation

calls of bats from Madeira Island: Acoustic characterization and implications for surveys. Acta Chiropterologica. 11 (1): 183 - 190. Waldén HW (1983). Systematic and biogeographical studies of the terrestrial gastropoda of Madeira, with an annotated check-list. Annales Zoologica Fennica 20: 255-275.

6. SITE MANAGEMENT

[Back to top](#)

6.2 Management Plan(s):

An actual management plan does exist:

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

7. MAP OF THE SITES

[Back to top](#)

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).