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CDF Checklist of Galapagos Ants

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This checklist is automatically generated using Version 3.0 of the online database CDF Galapagos Species Checklist.

Ants are social insects characterized by their bent antennae and a distinctive node-like body with a slender waist.

Ants form colonies that range in size from a few dozen individuals to highly organized ones with different castes such as “workers”, “soldiers”, and other specialized groups. Nearly all colonies have fertile males called “drones” and at least one fertile female called the “queen”.

Ants have colonized almost all terrestrial habitats on Earth except Antarctica. In Galapagos five subfamilies, 21 genera, and 48 ant species are currently known. Of these 44 species, *Camponotus macilentus*, *Camponotus planus*, *Cyphomyrmex nesiotus*, *Pheidole williamsi* are endemic. As many as 33 species are now known as introduced.

For marine species distribution data cited in the CDF Galapagos Checklists refer to the five main bioregions of the archipelago (Far Northern, Northern, Western, South Eastern and the Elithabeth Bay Bioregion). For the terrestrial species the more than 120 islands, islets and small rocks have been aggregated into Islands Groups, thus, for example, the island group “Santa Cruz” includes smaller islands like Santa Fé, Plaza Norte, Plaza Sur, Baltra, Daphne Mayor, Daphne Minor, and others.

Please be aware that the distribution data presented here is automatically generated from specimen records and does not always accurately reflect the known distribution for all species.

IUCN red-list assessments presented here may deviate from the global IUCN list for the following reasons:

- for well known species groups like vascular plants or vertebrates updates proposed to the IUCN are shown instead of the outdated, but currently accepted status;
- for poorly known species groups (e.g., lichenized fungi) a general assessment is currently not possible and the list presented here is a regional red-list list for Galapagos archipelago.

Names of taxa included in this checklist: 38 (37 Accepted , 1 Unidentified Taxon).

Origin of the taxa included: 27 Accidental, 1 Questionable Accidental, 2 Questionable Native, 4 Endemic, 1 Questionable Endemic.

1. *Cylindromyrmex whymperi* (Cameron, 1891)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Questionable Accidental.
Galapagos Distribution: Isabela, Santa Cruz.
2. *Dorymyrmex pyramicus albemarlensis* Wheeler, 1919
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, No Data.
Galapagos Distribution: Española, Fernandina, Genovesa, Isabela, Marchena, Pinta, Santa Cruz.
References: Wheeler, W.M. et al. (1924), Wheeler, W.M. et al. (1933).
3. *Tapinoma melanocephalum* (Fabricius, 1793)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Fernandina, Floreana, Isabela, Marchena, Pinta, San Cristóbal, Santa Cruz, Santiago, Unknown.
References: Linsley, E.G. et al. (1966), Peck, S.B. et al. (1998), von Aesch, L. et al. (2005), Wheeler, W.M. et al. (1924).
4. *Camponotus conspicuus zonatus* Emery, 1894
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Floreana, Isabela, Marchena, Pinta, San Cristóbal, Santa Cruz, Santiago, Unknown.
5. *Camponotus macilentus* F. Smith, 1877
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Fernandina, Isabela, Marchena, Pinta, Santa Cruz, Santiago.
References: Stitz, H. et al. (1932), von Aesch, L. et al. (2005).
6. *Camponotus planus* F. Smith, 1877
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Fernandina, Isabela, Marchena, San Cristóbal, Santa Cruz, Santiago.
References: Stitz, H. et al. (1932), von Aesch, L. et al. (2005).
7. *Brachymyrmex heeri* Forel, 1874
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz.
References: Causton, C. et al. (2008).
8. *Paratrechina longicornis* (Latreille, 1802)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Española, Floreana, Isabela, San Cristóbal, Santa Cruz, Unknown.
References: Linsley, E.G. et al. (1966), von Aesch, L. et al. (2005), Wheeler, W.M. et al. (1933).
9. *Paratrechina steinheili* (Forel, 1893)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: San Cristóbal, Santa Cruz.
10. *Paratrechina vaga* (Forel, 1901)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, No Data.
Galapagos Distribution: Unknown.
11. *Cardiocondyla nuda* (Mayr, 1866)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.

- Galapagos Distribution:** Unknown.
References: von Aesch, L. et al. (2005).
12. *Adelomyrmex myops* (Wheeler, 1910)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Isabela.
References: Causton, C. et al. (2008).
 13. *Cyphomyrmex nesiotus* Snelling Longino, 1992
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Isabela.
 14. *Cyphomyrmex rimosus* (Spinola, 1851)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz.
References: Causton, C. et al. (2008).
 15. *Wasmannia auropunctata* (Roger, 1863)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Española, Floreana, Isabela, Marchena, San Cristóbal, Santa Cruz, Santiago, Unknown.
References: Causton, C. et al. (2008), Herrera, H.W. et al. (2008), Linsley, E.G. et al. (1977), Peck, S. et al. (1986), Peck, S.B. et al. (1998), von Aesch, L. et al. (2005).
 16. *Crematogaster curvispinosa* Mayr, 1862
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Accidental.
Galapagos Distribution: Santa Cruz.
 17. *Pyramica membranifera* (Emery, 1869)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Unknown.
References: Causton, C. et al. (2008).
 18. *Strumigenys emmae* (Emery, 1890)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Floreana, Isabela.
 19. *Strumigenys louisianae* Roger, 1863
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz.
References: von Aesch, L. et al. (2005).
 20. *Cardiocondyla emeryi* Forel, 1881
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Floreana, Genovesa, Isabela, Marchena, Pinta, San Cristóbal, Santa Cruz, Santiago, Wolf.
References: von Aesch, L. et al. (2005).
 21. *Cardiocondyla minutior* Forel, 1899
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Fernandina, Floreana, Isabela, Marchena, Pinta, San Cristóbal, Santa Cruz, Santiago, Wolf.

22. *Pheidole flavens* Roger, 1863
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Isabela, San Cristóbal, Santa Cruz.
23. *Pheidole williamsi* Wheeler, 1919
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Endemic.
Galapagos Distribution: Isabela, Pinta, Santa Cruz.
24. *Monomorium destructor* (Jerdon, 1851)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Floreana, Santa Cruz.
References: Causton, C. et al. (2008), von Aesch, L. et al. (2005).
25. *Monomorium floricola* (Jerdon, 1851)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Española, Fernandina, Floreana, Genovesa, Isabela, Marchena, Pinta, San Cristóbal, Santa Cruz, Santiago, Unknown.
References: Causton, C. et al. (2008), Linsley, E.G. et al. (1966), Palacios, R.A. et al. (1975), Peck, S.B. et al. (1998), von Aesch, L. et al. (2005), Wheeler, W.M. et al. (1924).
26. *Solenopsis geminata* (Fabricius, 1804)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Unknown.
References: Causton, C. et al. (2008), Herrera, H.W. et al. (2008), Peck, S.B. et al. (1998), von Aesch, L. et al. (2005).
27. *Solenopsis globularia pacifica* Wheeler, 1919
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Questionable Native.
Galapagos Distribution: Española, Fernandina, Floreana, Genovesa, Isabela, Pinta, San Cristóbal, Santa Cruz, Santiago, Unknown.
References: Linsley, E.G. et al. (1966), von Aesch, L. et al. (2005), Wheeler, W.M. et al. (1924).
28. *Solenopsis gnoma* Pacheco, Herrera Mackay, 2007
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Native, Questionable Endemic.
Galapagos Distribution: Isabela, Santa Cruz, Unknown.
References: Pacheco, J. et al. (2007).
29. *Rogeria curvipubens* Emery, 1894
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Isabela, Santa Cruz.
References: Causton, C. et al. (2008).
30. *Tetramorium bicarinatum* (Nylander, 1846)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Española, Fernandina, Floreana, Genovesa, Isabela, San Cristóbal, Santa Cruz, Santiago, Unknown.
References: von Aesch, L. et al. (2005).
31. *Tetramorium caldarium* (Roger, 1857)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Floreana.

References: von Aesch, L. et al. (2005).

32. *Tetramorium lanuginosum* Mayr, 1870
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Floreana, San Cristóbal, Santa Cruz, Wolf.
33. *Tetramorium simillimum* (F. Smith, 1851)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Española, Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.
References: Linsley, E.G. et al. (1966), von Aesch, L. et al. (2005), Wheeler, W.M. et al. (1933).
34. *Hypoponera punctatissima* (Roger, 1859)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Unknown.
References: Causton, C. et al. (2008).
35. *Hypoponera opaciceps* (Mayr, 1887)
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Fernandina, Isabela, Santa Cruz.
36. *Hypoponera* sp.
Taxon status: Taxon not identified to species, subspecies, form or variety.
Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz, Santiago.
References: von Aesch, L. et al. (2005).
37. *Odontomachus bauri* Emery, 1892
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Questionable Native.
Galapagos Distribution: Floreana, Isabela, San Cristóbal, Santa Cruz.
References: Linsley, E.G. et al. (1966), von Aesch, L. et al. (2005).
38. *Odontomachus ruginodis* Smith, 1937
Taxon status: Accepted name; taxon occurs in Galapagos.
Origin: Introduced, Accidental.
Galapagos Distribution: Santa Cruz.

References:

1. Causton, C., Sevilla, C. (2008) *Latest records of introduced invertebrates in Galapagos and measures to control them. In: Galapagos Report 2006-2007.* CDF, GNP and INGALA, Puerto Ayora, Galapagos, Ecuador, 142-145 p.
2. Herrera, H.W., Causton, C.E. (2008) *Distribution of Fire Ants Solenopsis geminata and Wasmannia auropunctata (Hymenoptera: Formicidae) in the Galapagos Islands.* Galapagos Research 65: 11-14.
3. Linsley, E.G., Usinger, R.L. (1966) *Insects of the Galápagos Islands.* Proceedings of the California Academy of Sciences Fourth Series 33(7): 113-196.
4. Linsley, E.G. (1977) *Insects of the Galápagos (Supplement).* Occasional Papers of the California Academy of Sciences 125: 1-50.
5. Pacheco, J., Herrera, H.W. Mackay, W. (2007) *A new species of Thief Ant of the Genus Solenopsis from the Galápagos Islands (Hymenoptera: Formicidae).* Sociobiology 50(3): 1075-1086.
6. Palacios, R.A., Bravo, L.D. (1975) *Estudio morfológico de las semillas de Prosopis, II: Algunas especies Norteamericanas y Neotropicales.* Darwiniana 19(2-4): 357-372.

7. Peck, S., Peck, J. (1986) *The Galapagos Islands volcanic caves and cave fauna of the Galapagos Islands*. *The Canadian Caver* 18(1): 42-49.
8. Peck, S.B., Heraty, J., Landry, B. Sinclair, B.J. (1998) *Introduced insect fauna of an oceanic archipelago: The Galápagos Islands, Ecuador*. *Am. Entomol.* 44: 218-237.
9. Stitz, H. (1932) *The Norwegian Zoological Expedition to the Galapagos Islands 1925, Conducted by Alf Wollebæk. 5. Formicidae*. *Med. Zool. Mus.*, Oslo 31: 367-372.
10. Wheeler, W.M. (1924) *The Formicidae of the Harrison Williams Galapagos Expedition*. *Zoologica* 5(10): 101-122.
11. Wheeler, W.M. (1933) *The Templeton Crocker Expedition of the California Academy of Sciences, 1932. No. 6 Formicidae of the Templeton Crocker Expedition*. *Proc. Cal. Acad. Sc., Fourth Series* 21(6): 57-64.
12. von Aesch, L., Cherix, D. (2005) *Introduced Ant Species and Mechanisms of Competition on Floreana Island (Galápagos, Ecuador) (Hymenoptera: Formicidae)*. *Sociobiology* 45(2): 463-481.