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Photos: Walter Simbaña and Alan Tye (photos 23, 31 and 44). Produced by: Walter Simbaña [walters53@hotmail.com]. Acknowledgments: the Charles Darwin Foundation, the staff of the Galapagos National Park's Floreana Technical Office, and local field assistants.* indicates extinct plants.

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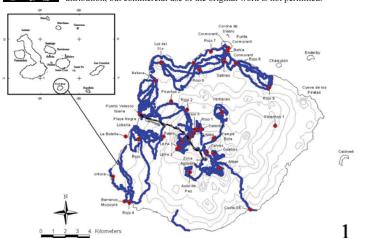






Figure 1. Location of Floreana island within the Galapagos Archipelago. Blue lines indicate the tracks of the field explorations of different sectors and hills (red círcles with black point). **Figure 2.** Puerto Velasco Ibarra with Cerro Pajas in the background, during the *garúa* season, October 2018. **Figure 3.** Dry Zone vegetation, northeast coast of Floreana, taken from the summit of Cerro Salinas during the warm rainy season, February 2008. The dominant tree with green leaves is *Bursera graveolens*.

Floreana Island, also known as Santa María, Charles or King Charles II, is located in the south of the Galapagos Archipelago (Fig. 1), about 1000 km from the mainland coast of Ecuador. It covers an area of 173 km² with maximum altitude 550 m, at the summit of Cerro Pajas (Fig. 2). The climate of the island is characterised by two seasons during the year: the warm rainy season (January–June; Fig. 3) and the cool dry, known as the *garúa* season (July–December; Fig. 2).

The landscape of Floreana is dominated by several hills (Fig. 2 y 3), whose habitats harbour a great diversity of flora and fauna, which have hardly been studied. The island has several tourist visitor sites, and historically, Floreana has been much visited by tourists, naturalists, scientists and others. Unfortunately, it is the Galapagos island most affected by the presence of introduced organisms, such as goats and donkeys (now eradicated), which caused dramatic changes in the structure and composition of the native vegetation. Floreana was the unique habitat of *Sicyos villosa* y *Delilia inelegans*, two endemic plant species now extinct, collected only by Charles Darwin during his visit to the island in September 1835. Neither species has been found again since. The causes of their disappearance are uncertain, but the first human settlement was established on the island in 1832, three years before Darwin's historic visit.

In 2007–08, surveys from the Coastal Zone to selected highland areas (Fig. 1) were carried out to evaluate the population status of the threatened endemic flora of Floreana. The present guide forms part of the results of this study, as a contribution to our knowledge of the vegetation. It includes 54 of the 204 native and endemic plant species known from the island.

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38

Maytenus octogona

ČELASTRACEAE

Maytenus octogona

CELASTRACEAE

Cuscuta campestris

CONVOLVULACEAE

Cuscuta campestris

CONVOLVULACEAE

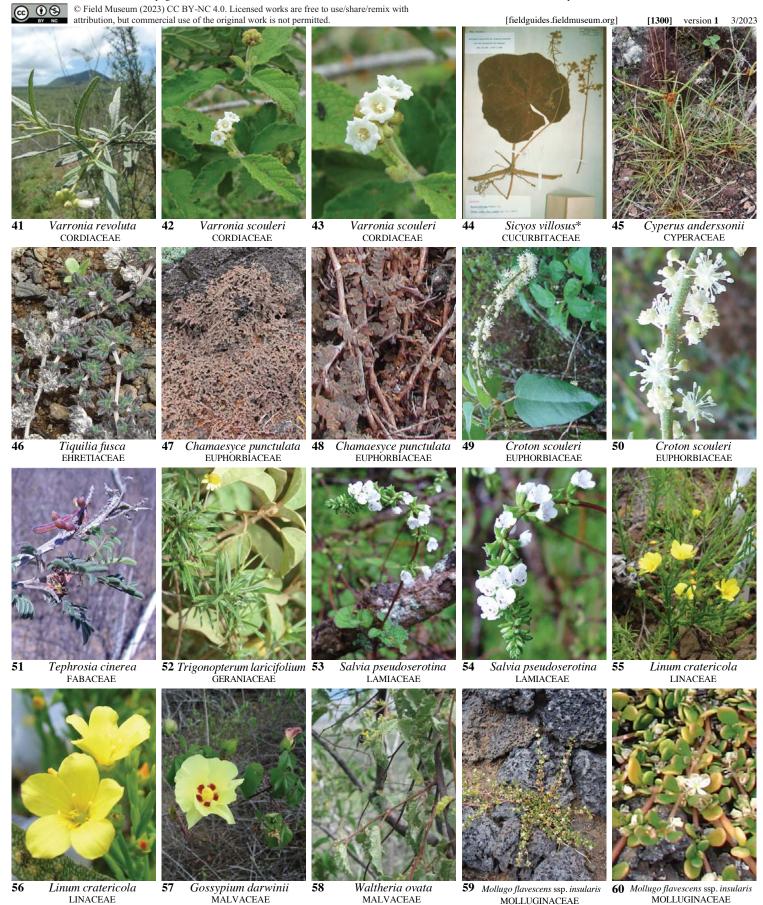
36 Opuntia megasperma var. megasperma 37

CACTACEAE

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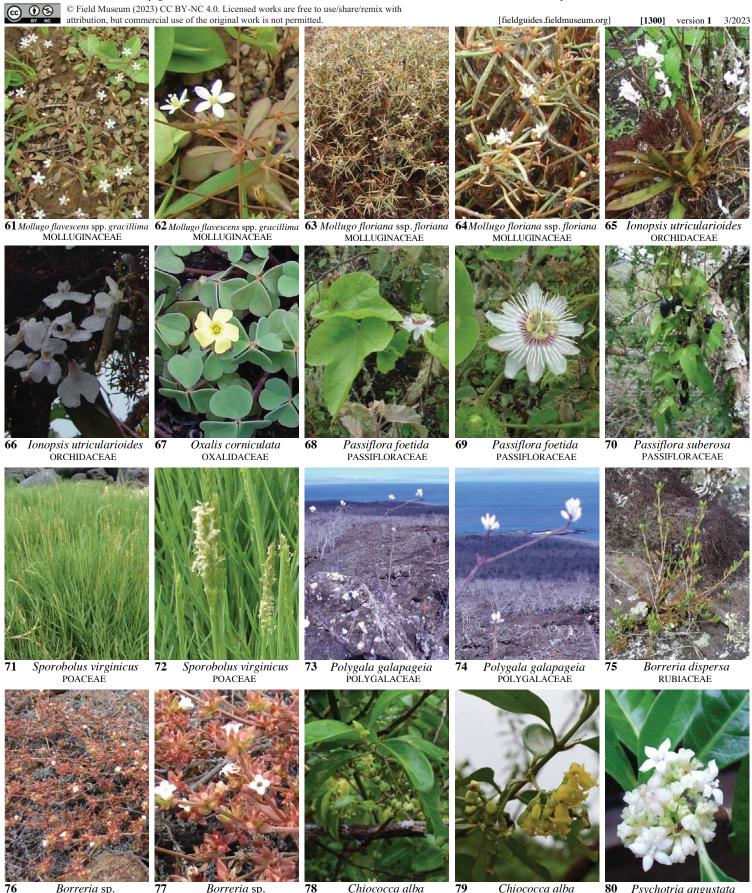
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Borreria sp.

RUBIACEAE

Borreria sp.

RUBIACEAE

78

Chiococca alba

RUBIACEAE

Chiococca alba

RUBIACEAE

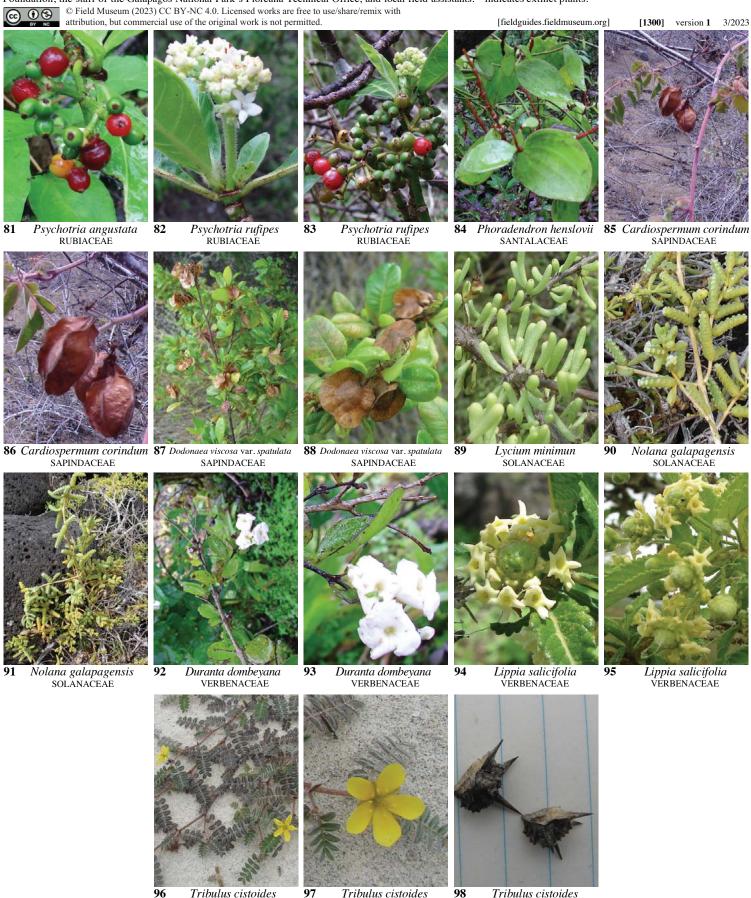
Psychotria angustata

RUBIACEĂE

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Tribulus cistoides

ZYGOPHYLLACEAE

Tribulus cistoides

ZYGOPHYLLACEAE

Tribulus cistoides

ZYGOPHYLLACEAE