

# Epigean insects of Chañaral Island (Pingüino de Humboldt National Reserve, Atacama, Chile)

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The Pingüino de Humboldt National Reserve in Chile is an area of biodiversity conservation in arid island ecosystems. The reserve is located both in the Atacama and Coquimbo regions and is composed of the Choros (29° 15' S, 71° 32' W), Damas (29° 13' S, 71° 31' W) and Chañaral (29° 02' S, 71° 36' W) islands. Pitfall traps were used to study the taxonomic diversity of epigean insects in Chañaral Island. The study area was divided into 3 vegetationally contrasting ecotopes: E1 represented by a subdesert steppe, E2 represented by a xeric shrubland and E3 represented by a xeric shrub steppe. A total of 730 specimens were captured, belonging to 40 species arranged in 34 genera and 17 families. Four insect orders were recorded, of which the most diverse were Coleoptera, with 29 species, and Hymenoptera, with 7 species. Coleoptera was the most represented group, with 24 genera grouped in 11 families. The richest families were Curculionidae (9 species) and Tenebrionidae (8 species). The highest