

Global Change Data Encyclopedia

Boundary Data of the Archipiélago de Colón (Galapagos Islands)

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The Archipiélago de Colón (Galapagos Islands) is located in the Pacific Ocean and at about 1,000 km west of the Ecuador continent. The geo-location is 1.25'45"S–1.41'36"N, 91.40'9"W–89.29'43"W (Figure 1). The islands are consisted of a series of volcanos, 186 islands and giant rocks in total, each of them is larger than 40 m² in area. There are 7 islands which are larger than 100 km²; 18 islands which are larger than 1 km². The total area of the islands is 8,010.19 km², and the coast line is 1,819.92 km. The biggest one is the Isabela Island with area of 4,716.62 km²^[1].

The Archipiélago de Colón is a province of Ecuador^[2]; the capital of the province is Puerto Baquerizo Moreno. Three cantons are included in the province^[3]. They are Isabela Canton, San Cristobal Canton and Santa Cruz Canton. The Darwin (Culpepper) Island, Fernandina (Narborough) Island, Isabela (Albemarle) Island and Wolf (Wenman) Island are located in the Isabela Canton. The Espanola (Hood) Island, Floreana (Charles or Santa Marla) Island, Genovesa Island, San Cristobal Island and Barrington Island are located at the San Cristobal Canton. The Baltra Island, Bartholomew Island, Marchena Island, North Seymour Island, Pinta Island, Pinzon Island, Jervis Island, Santa Cruz Island, Santiago James Island are located at the Santa Cruz

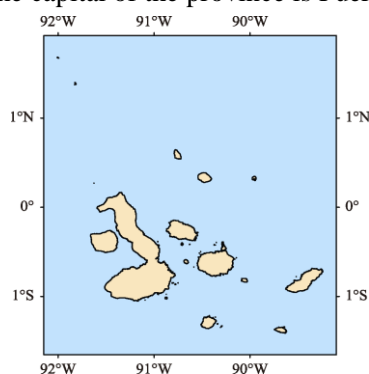


Figure 1 Coastline data map of the Archipiélago de Colón

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Canton. The Archipelago de Colon is managed as the National Part of Ecuador and on the UNESCO Heritages List in 1978. The main islands of the Cologne Islands are shown in Table 1.

Table 1 Main islands of the Cologne Islands

Name of islands	Geo-location	Area (km ²)	Coastline (km)
Watson Island	1°20'49"S–1°20'46"S, 90°18'35"W–90°18'26"W	0.019	0.734
Espanola Island	1°24'42"S–1°20'40"S, 89°44'46"W–89°37'5"W	60.742	49.116
Islote Gardner	1°20'52"N–1°20'20"N, 89°38'57"W–89°38'20"W	0.594	4.177
Isla Gardner	1°20'19"S–1°19'43"S, 90°18'2"W–90°17'24"W	0.772	4.574
Isla Caldwell	1°18'46"S–1°18'16"S, 90°20'28"W–90°20'3"W	0.225	3.014
Santa Maria Island	1°21'37"S–1°13'13"S, 90°30'41"W–90°21'8"W	172.945	70.893
Tortuga Island	1°1'26"S–1°0'26"S, 90°53'6"W–90°51'42"W	1.272	10.039
Islote Las Tintoreras	0°58'37"S–0°58'3"S, 90°57'45"W–90°57'33"W	0.190	4.034
Santa Fe Island	0°50'23"S–0°47'55"S, 90°5'29"W–90°1'38"W	24.704	24.678
San Cristóbal Island	0°57'22"S–0°41'6"S, 89°37'42"W–89°14'27"W	558.713	184.875
Pinzón Island	0°38'5"S–0°35'15"S, 90°41'18"W–90°38'33"W	17.877	17.991
Santa Cruz Island	0°46'31"S–0°28'54"S, 90°33'1"W–90°10'8"W	986.544	212.917
Isla Daphne Mayor	0°25'33"S–0°25'8"S, 90°22'29"W–90°22'10"W	0.337	2.199
Baltra Island	0°29'3"S–0°24'39"S, 90°17'57"W–90°14'51"W	25.738	28.079
Rábida Island	0°25'40"S–0°23'51"S, 90°43'14"W–90°41'48"W	5.027	11.225
Isla Daphne Minor	0°23'47"S–0°23'37"S, 90°21'10"W–90°21'1"W	0.059	0.923
North Seymour Island	0°24'3"S–0°23'19"S, 90°17'37"W–90°16'33"W	1.904	5.985
Bartolomé Island	0°17'27"S–0°16'47"S, 90°33'36"W–90°32'26"W	1.320	7.123
Fernandina Island	0°30'24"S–0°15'36"S, 91°39'43"W–91°22'37"W	645.487	123.686
Santiago (San Salvador, James) Island	0°22'31"S–0°8'43"S, 90°52'19"W–90°32'47"W	577.391	155.646
Isabela Island	1°3'11"S–0°10'4"N, 91°35'39"W–90°46'50"W	4,716.622	682.009
Genovesa Island	0°17'59"N–0°20'48"N, 89°58'41"W–89°56'9"W	13.907	23.065
Marchena Island	0°16'37"N–0°23'16"N, 90°32'35"W–90°24'2"W	131.499	54.378
Pinta Island	0°32'23"N–0°38'37"N, 90°47'26"W–90°43'6"W	59.934	39.149
Wolf Island	1°22'26"N–1°23'42"N, 91°49'33"W–91°48'41"W	1.286	8.567
Darwin Island	1°40'28"N–1°40'54"N, 92°0'32"W–91°59'54"W	0.651	3.880

The dataset is developed based on Google earth images, and archived in the .kmz and shp data formats with the compressed data size of 11.8 MB.

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