

Lagoon narrow, without entrance. Width of island from sea to lagoon, one hundred to four hundred yards: width greatest at south end. Beach ten feet high. The soil of the island consisted of coral fragments and sand. Shore platform fifty to eighty feet wide; five or six feet of water over it at high tide. Cut up very irregularly by channels three to eight or ten feet wide. Observed small corals growing on the bottom outside of the platform. Shores of lagoon shallow for fifty yards, and consisting of coral sand. Beyond this a slope covered with growing corals; the corals rather tender species of Madrepores. In the interior of the lagoon many knolls and large patches of coral.

Duke of York's.— $8^{\circ} 38' S.$, $172^{\circ} 27' W.$ Form irregularly oblong, trending north-west. Length, $3\frac{3}{4}$ miles; breadth, 2 miles. Circuit, $9\frac{1}{2}$ miles, and about one-half wooded in patches. South-west reef mostly bare. A lagoon, but without entrance except for canoes at high tide, on leeward side. Island ten feet high. Shore platform narrow, and intersected by channels. Shores lined by reef-rock, two or three feet out of water, indicating an elevation of the island. This reef-rock consists of various corals firmly cemented. Within the lagoon, knolls of coral, but none near the shore on the leeward side.

Fakaafu or Bowditch's.— $9^{\circ} 20' S.$, $171^{\circ} 5' W.$ $6\frac{3}{4}$ miles by 4. Shape nearly triangular. Circuit seventeen miles, about six of which are wooded in several patches, separated by long bare intervals. A large lagoon, but no ship entrance. Height of island, fifteen feet. Width to the lagoon, one hundred to two hundred yards. Soil of the island coral sand, speckled black with results of vegetable decomposition. Shore platform narrow. At outer edge a depth of three fathoms, and from thence gradually deepens, and abounds in corals for fifty yards, when it deepens abruptly. Coral reef-rock elevated three or four feet, indicating an elevation of the island. Lagoon shallow, with some growing coral, but none near the shore. Some corals growing on the platform, near its margin, mostly small Madrepores, *Astræas*, *Nullipores*. Fragments of pumice were found among the natives, which had floated to the island