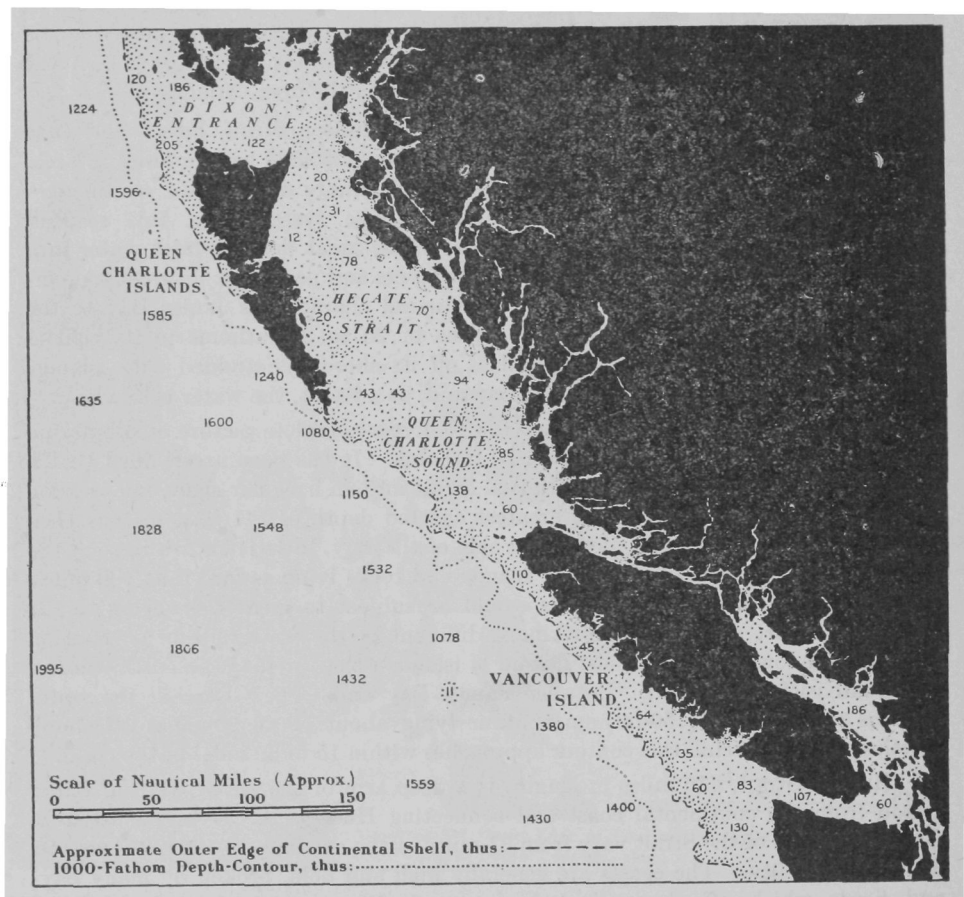


extremely irregular and deep, swift tidal currents striking the nearly vertical rock walls of submarine valleys are deflected sharply upward to cause the disturbance referred to by the explorer Davis as "the furious overfall" Throughout the whole Strait, great irregularities of the bottom are indicated but, except in inshore waters, few hazards to navigation have been located.

**Pacific.**—The marine zones of Canada—Atlantic, Pacific and Arctic—exhibit individual characteristics, the marginal sea of the Pacific differing strikingly from the others. In contrast to the more symmetrical and subdued hydrography of the eastern seaboard, the corresponding coastal belt of British Columbia is characterized by bold, abrupt relief—repetition of the mountainous landscape. Dominant features of the Pacific Marginal Sea are the great detached island land-masses, their western slopes lying close to the edge of the deep oceanic basin. Whereas the Atlantic Coast is broken by bays and inlets of moderate length and depth, the western seaboard of Canada is characterized by a well-developed fiordal system which penetrates the mountainous coast for distances of 50 to 75 miles.



Plan showing the extent of the Continental Shelf off the Pacific Coast of Canada.