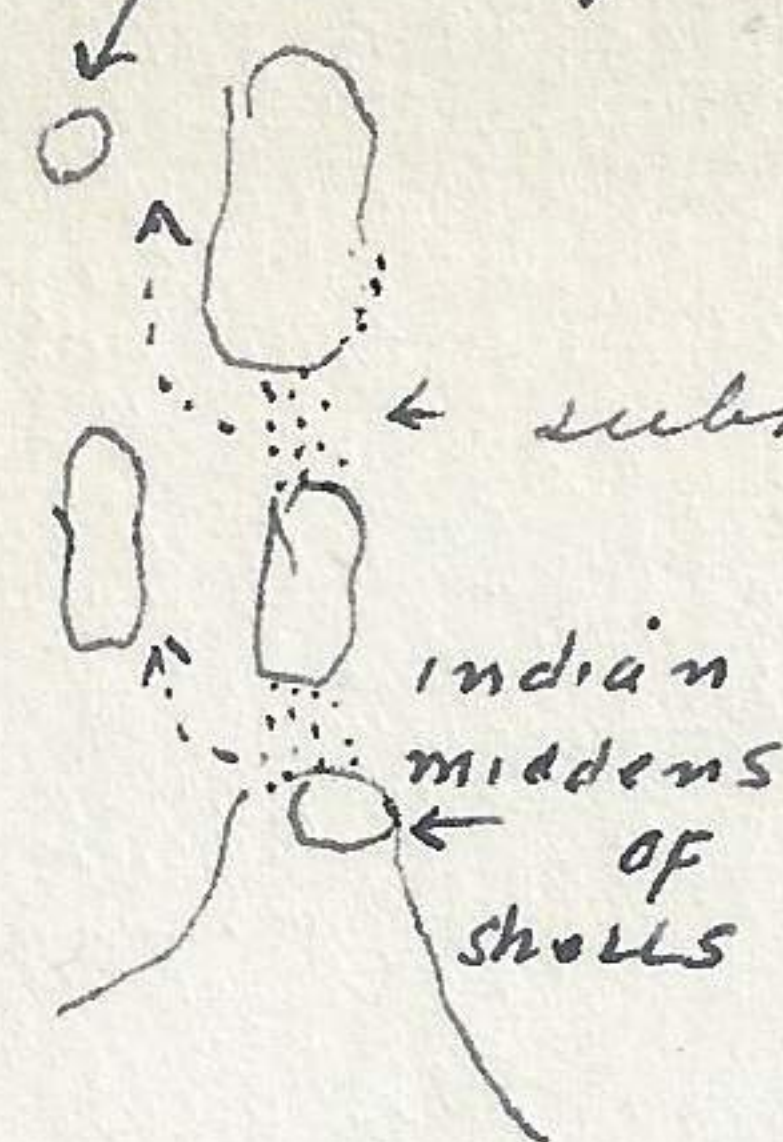
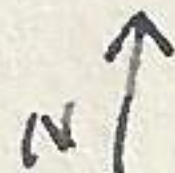


would suggest such a situation as being very probable.

collecting station



submerged barrier reefs at high tide but exposed high & dry at low tide. The direction of wave movement is from the west and brings detritus from the west to the lee side of the island where the collecting station is located. Beyond the last projection is found the open waters of the straits of Juan de Fuca. Indian midden of shells some few feet above high tide and exposed in cross section which would suggest a certain degree of erosion by wave action of the land mass. The degree of erosion should be determined as it could be used as a key to land erosion for a known period of time. Collected the following chitons from this island, as indicated on above map.

(1-7-7-49) to (9-7-7-49) Ischnochiton  
 (10-7-7-49) to (12-7-7-49) Mapania lignosa  
 (13-7-7-49) to (24-7-7-49) " citinata  
 (25-7-7-49) to (26-7-7-49) Tonnicella lineata  
 (27-7-7-49) to (29-7-7-49) " white chitons

These Chitons were taken from under rocks in tide pools and principally below low tide under rocks. Mapania muscosa appeared to be in unusually small numbers on this island.

At Ravine Pass at 9 fathoms collected several chitons from dredge of rocks, dominant Pectens and few algae. This specimens are small and are as follows.

(30-7-7-49) - (47-7-7-49) Ischnochiton

8 July.

False Bay, San Juan Island, San Juan County, Washington.  
 Took sample series from 950 meter stake, Crest sand <sup>bar.</sup> ~~down~~ this  
 a.m. at 10:30 A.M. 2 x 4 x 8 x 16 x 32

11 July

False Bay, San Juan Island, San Juan County, Washington  
 made series of collections at False Bay. These collections were made from  $\frac{1}{10}$  sq meter surface areas to a depth of  $2\frac{1}{2}$  cm. Six samples were taken from the stations on the transect and combined into one sample. All from within 2 meters from stake. These stations are recorded by meter positions from shore and except for first 100 meters, are placed at 50 meter intervals. Results of this days collection are tabulated as follows. (Corrected to one sample unit or  $\frac{1}{6}$  original)