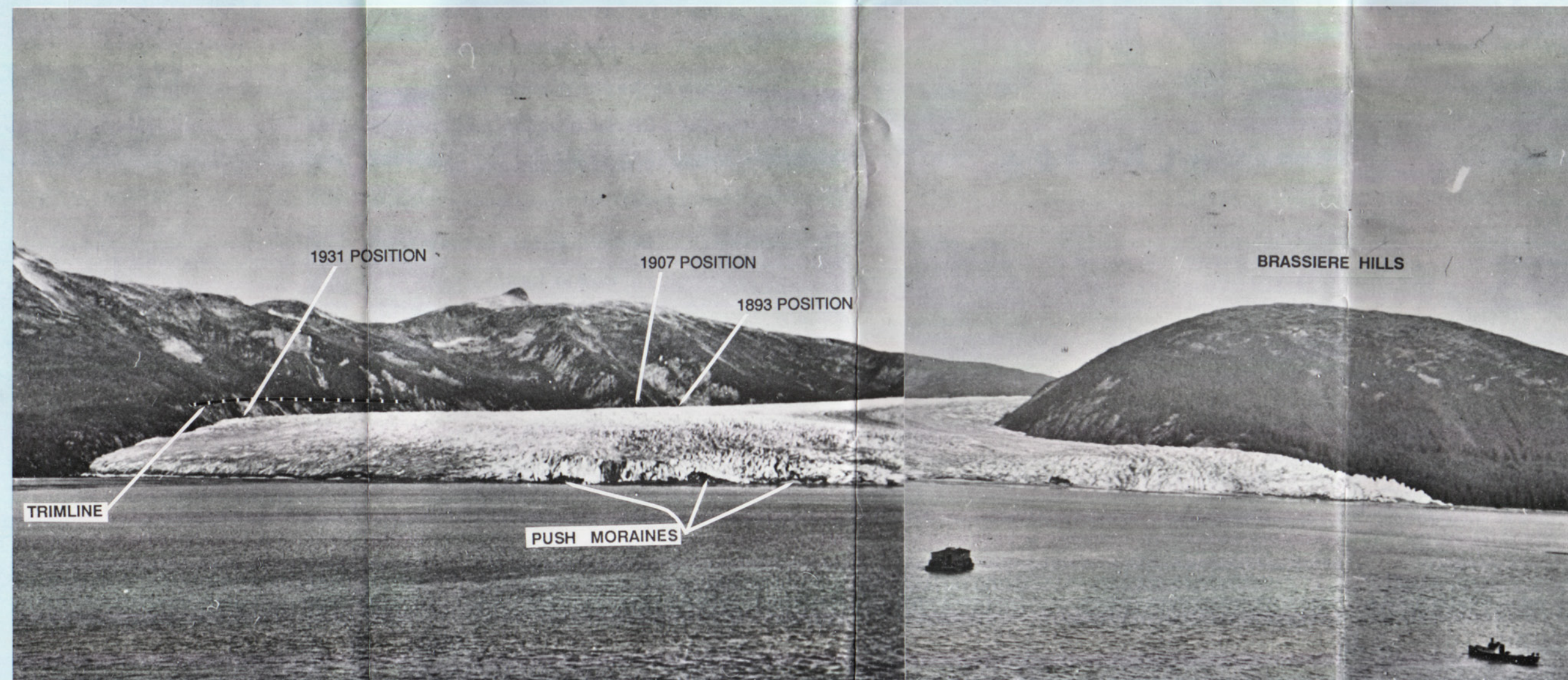


1931 In 1931 Taku Glacier was just beginning to move around Brassiere Hills. It was still a tidewater glacier with icebergs calving into the inlet. The previous advance probably reached its maximum about the year 1750; the 1750 trimline scoured by that ice is identified in this photo. A trimline is the sharp boundary marking the upper margins of a glacier that has receded from an area. By 1937, the water in Taku Inlet was only 22 feet deep, and the tidal basin was almost filled with sediment. Photo by C.K. Wentworth, USGS.



1893 In 1893 Taku Glacier was advancing into the deep waters of Taku Inlet. U.S. Coast and Geodetic Survey charts from 1890 show Taku Glacier terminating between 5 and 6 miles from Taku Point, at the head of a deep tidal basin. Immediately in front of the glacier, icebergs calved into the basin that was then 330 feet deep. Photo by Lord.



1946 By 1946 the glacier had clearly changed. The terminus of the glacier was no longer a calving vertical face, but sloped toward the water. The glacier had deposited enough sediment to form push moraines in front of the glacier. Push moraines are formed by material shoved along by

advancing glaciers. These moraines separated the ice from the water, which stopped the calving of the ice and greatly decreased the rate of ice loss. The photo shows the moraines in the center of the glacier. When this photo was taken, the glacier had almost reached the 1750 trimline. Photo by William Latady.



1982 This 1982 photo-panorama shows push moraines that were forming in 1946 were supporting vegetation by 1982. The push moraines are moved along by the advancing glacier and tend to be stable and remain in the same position relative to the

glacier. The photo shows that the continuing advance of Taku Glacier has plowed over vegetation along the sides of the glacier and erased some older trimlines. Photo by W.O. Field.

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