



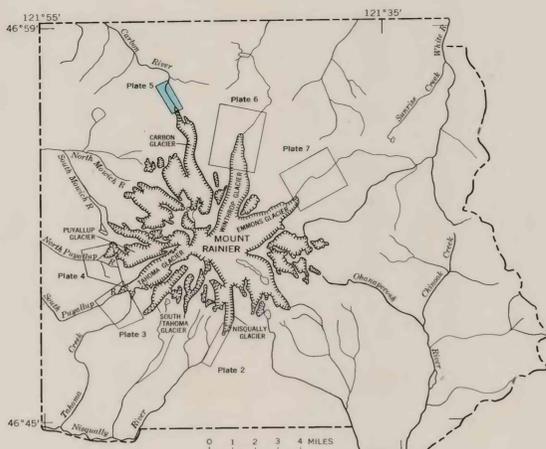
FIGURE 1.—Oblique view of the advancing terminus of Carbon Glacier shows its closeness to the maximum advance in 10,000 years marked by the brown and orange lines. The terminus started to recede from the area marked by the brown line about A.D. 1760. Earlier, near the end of the 15th century, the glacier was broader near the terminus and left moraines marked by orange lines. Cataract Creek, not clearly visible in the photograph, occupies the valley in the foreground flowing from the right to Carbon River in left center. View is southeastward. Aug. 29, 1968.



FIGURE 2.—The A.D. 1500 moraine (area 8, map and fig. 4) at the trail sign south of Cataract Creek forms the ridge extending to the right behind sign. Sept. 16, 1967.



FIGURE 3.—View of Spray Park Trail where it crosses Cataract Creek just downvalley from the moraine from which Carbon Glacier started to recede about A.D. 1500. The old moraine (area 4, map and fig. 4) is the largely visible, partly sunlit mound (m) in dense stand of trees in center background. Trail sign (fig. 2) is barely visible to the right of the base of the leaning tree left of and beyond bridge. Yellowish-brown sandy volcanic ash, 3,000 to 3,500 years old, is present beneath the humus along the trail to the right of this viewpoint. Sept. 16, 1967.



INDEX MAP OF MOUNT RAINIER SHOWING AREA OF THIS MAP SHADED

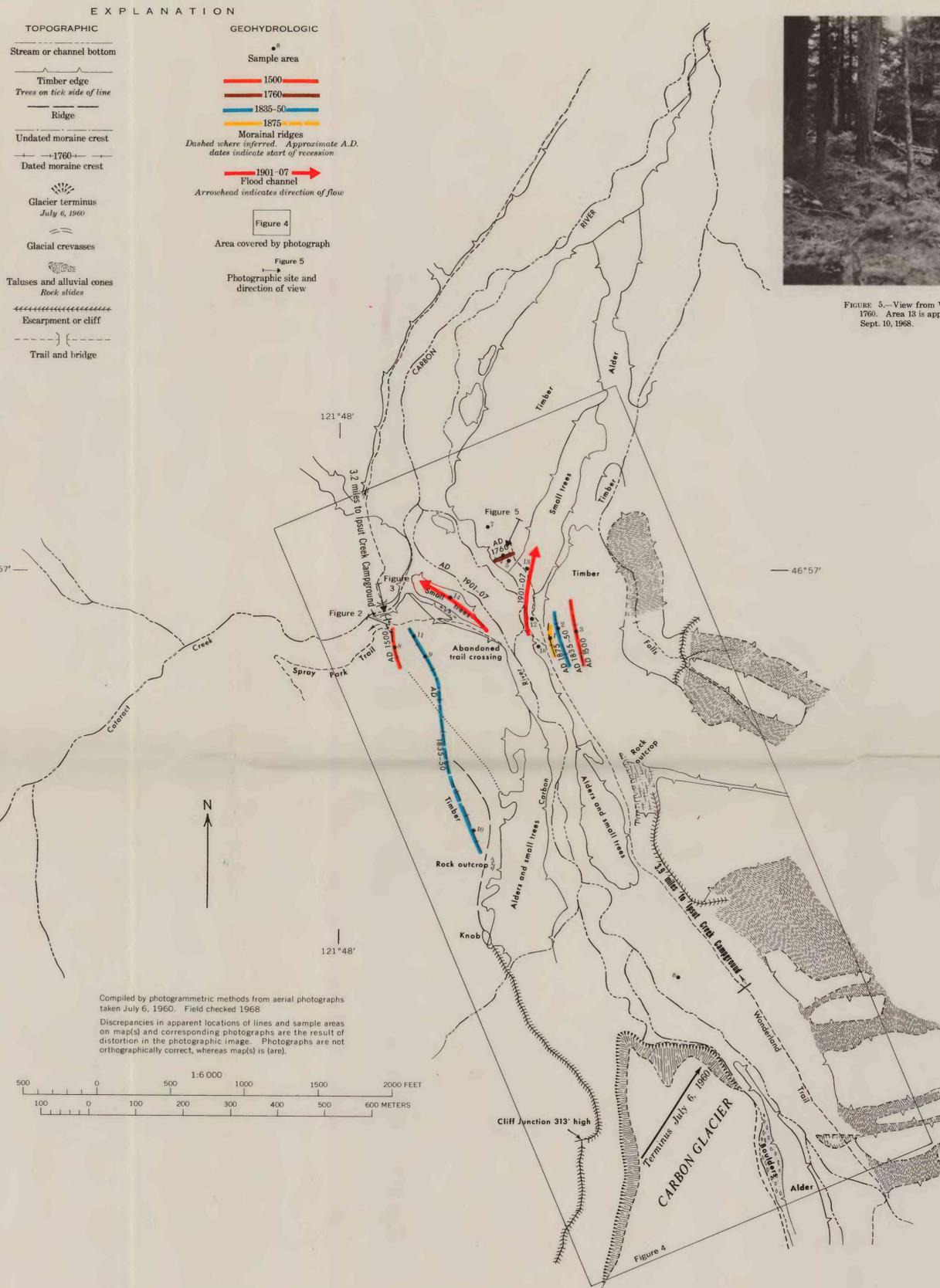


FIGURE 5.—View from Wonderland Trail of the end of the moraine from which Carbon Glacier started to recede about A.D. 1760. Area 13 is approximately 200 feet to the left and upvalley from this point. Glacier is to the south about ¼ mile. Sept. 10, 1968.

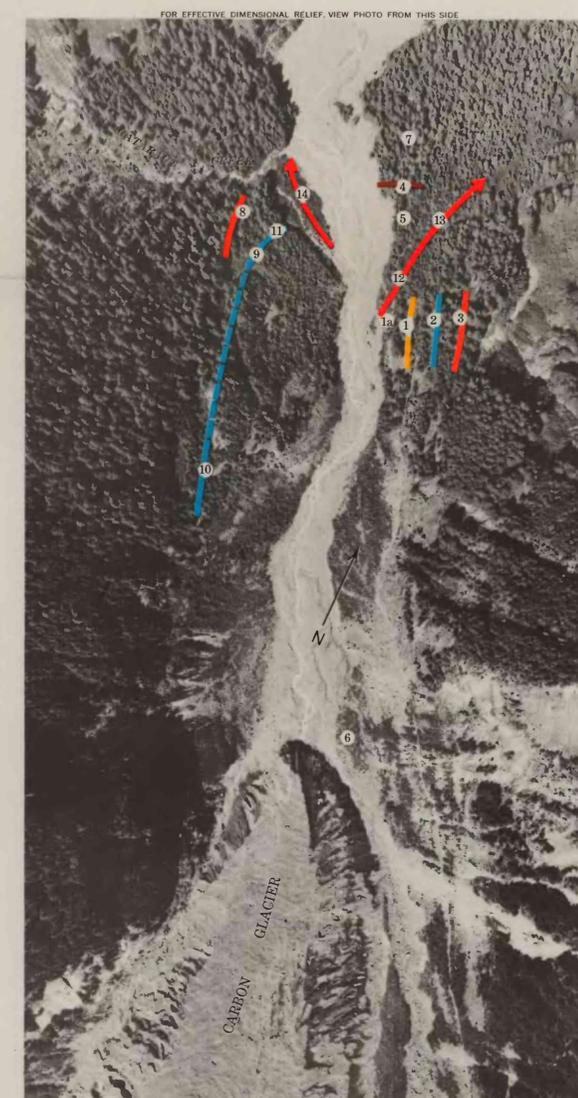


FIGURE 4.—Vertical photograph of Carbon Glacier showing sample areas and moraines. Wonderland Trail can be seen northwest from area 1 along the west side of the valley to the bottom of the photograph. Prior to a flood in 1959, which destroyed the trail bridge, Wonderland Trail crossed Carbon River near the mouth of Cataract Creek and remnants can be seen near area 1 and between areas 14 and 11. Comparison of the position of Carbon Glacier in this photograph taken on Aug. 16, 1967, with that in figure 1, taken on Sept. 2, 1962, indicates that the glacier was farther downvalley in 1967.

**MAP AND PHOTOGRAPHS OF CARBON RIVER VALLEY
NEAR CARBON GLACIER TERMINUS,
MOUNT RAINIER, WASHINGTON**