

son from the base of the Adirondacks to Fort Edward and by the older channel of Wood creek. It will be convenient to treat of the glacial features of this district in what appears to be the order of their sequence in time which as everywhere in the Hudson valley is quite uniformly in a descending order as regards the vertical distribution of the deposits. These deposits consist of high level terraces with invariably an ice contact face confronting the Fort Edward district, and a lower series of deposits made in open water; while at still lower levels there is the evidence of erosion by running water as in the gorge farther south.

Of the glacial terraces, the highest and oldest as well, lies within the Adirondack canyon of the Hudson. This deposit rises to the

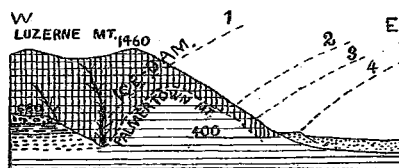


Fig. 18 Terraces in the vicinity of Palmertown mountain. On left hand is shown the Hartman terrace in the Hudson canyon. 1, 2, 3, 4, represent successive positions of retreating ice margin. At 4, is the same terrace at eastern base of the mountain overlooking the Fort Edward district.

height of 680 feet above the sea or about 400 feet above the bed of the river at its base. The small hamlet of Hartman post-office is located on its top. The river has cut away the eastern front of the deposit giving a partial exposure of coarse gravels about 200 feet thick at base, over which come stratified clays and sands, above which in turn occur gravels with a rude kame topography, the whole showing a time of torrential currents in the canyon followed by lacustrine conditions with the deposition of clay in the gorge to a height fully 500 feet above the present sea level; then a return of the ice in the coarse glacial detritus which caps the clays. The entire series is evidently earlier than the deposits which occur outside of the mountainous belt over the Fort Edward district and therefore need not be taken further into account in an attempt to fix the water levels which followed the disappearance of the ice from this region.

The glacial terraces which flank the mountain bases around Fort Edward are typically represented in that of Palmertown