

but if they were not at the sea level of the time, formed a stage of the glacial lake in which a discharge was found past the northern border of the Green mountains into the lower St Lawrence valley past the edge of the ice sheet. This is a point however which is still under investigation.

In the lower margin of this delta at Freydenburg's mills at an elevation of 340 feet marine shells have been found. There are slight topographic evidences that this portion of the deposit is separated constructionally from the broad plain at Morrisonville. Certainly this part of the deposit was made in the sea. The calculated height of the upper marine limit at this locality is 375 feet.

*Shore lines of the Mooers quadrangle.* The shore lines and deltas of this area are more fully described in the special report on that atlas sheet.

Beginning on the south near West Beekmantown, there are faint traces of wave action up to nearly 640 feet. Occasionally stronger traces with definite beach ridges are found at higher elevations northward till Cobblestone hill, northwest of West Chazy [see pl.22] is reached when remarkably strong wave action is found as high as 675 feet [see station 50, pl.28]. Thence northward beach ridges occur along the northern and eastern margin of the Altona flat rock district at a slightly increasing elevation toward the north. There is a delta at Altona [see station 51, pl.28] with what appears to be an ice-free margin at 640 feet, and the remnants of another on the north branch of the Big Chazy river at an elevation of at least 660 feet [see station 52, pl.28]. North of Deer pond there are faint shore traces at about 705 feet. At Cannon Corners on either side of the English river there are hook-like bars curving into the valley mouth between 700 and 720 feet in elevation. Somewhat south of these and on the extreme western border of the area what appear to be wave-heaped materials occur as high as 750 feet. In the extreme northwestern corner of the quadrangle at the head of Kellas brook in the region known as Armstrong's Bush there is a cobblestone ridge with a recurved hook at its southern end at an elevation of 720 feet [see station 53, pl.28]. A short distance west of this last-example at the corner of the road leading to Covey Hill postoffice and beyond the limits of