

retreat of the ice sheet is shown by the fact that the surface of the till spur above this level is deeply cut by what I take to be marks of wave action. Well rounded gravel is encountered at approximately this same level farther east on the northern face of Trembleau mountain, indicating efficient wave action there sufficient to pocket the material between ledges.

There is a noticeable grouping of shore lines in Port Kent between 200 and 260 feet; back of Port Kent about 350 feet; a rather persistent shore line at or just below 500 feet and in favored situations from 500 up to 585 feet. The most marked wave action in this range is at 350, 500, and from 585 to 590, because these last are the highest seen. A search above the 600 foot line over the top of Trembleau mountain failed to show higher signs of wave action.

A 500 foot delta plain is extensively developed about Keeseville, both east and west, and to the south as well. About 1 mile northeast of Keeseville, a hillock rises up on the sloping surface of the delta plain with what appears to be a circular shore line as shown on the map. The strength of the delta building and that of the shore line at the 500 foot line are rather marked.

The next marked delta stage in descending order coincides with the base of the cliff above described at about 340 feet. A fragment of delta terrace lying between Wickham marsh and the Ausable, having a surface at about 250 feet elevation, accords with the wave lines in Port Kent village.

As noted on the diagram, plate 28, these shore lines and deltas appear to be correlated with a tilted series of strong and weak lines of wave action and deltas traceable southward from the international boundary. It is probable, as I have attempted to show in chapter 10, that the upper marine limit at Port Kent is found at about 340 feet. Delta building at this stage would have covered the Ausable chasm; hence, it follows that the chasm must have been cut since the land began to rise from the marine limit.

Fossil marine shells have long been found in the sands of the delta south of Port Kent station. An account of these shells will be found on page 212.