

terraces across the Gatineau river, on the east bank opposite Ironsides. These are conspicuous features in the landscape and are seen to great advantage at the present railway flag station. Four of these terraces are clearly discernible from the station. These terraces correspond to other terraces at practically the same elevations on the west side of the Gatineau River valley, forming the raised beaches which of late years have been subjected to such great denudation. Numerous valleys have recently been formed, and were carved out of the soft marine clays of the Green's Creek formation. This process is still going on, and the young streams are cutting out their beds to a lower level. The growth of the young forest of pines, maples and poplars which has taken place since the great forest fires of 1874, is doing much to preserve the land from erosion and denudation, which would level it down and carve it out even more conspicuously during present times. The bare and denuded aspect which the clay hills presented years after the great forest fire, without sign of plant life upon them, has been replaced by a vigorous growth of trees not very dissimilar from those which the old marine terraces supported fifty or a hundred years ago. If not destroyed by fire this young pine forest will be of great value in the future.

No fossil organic remains were found at any point during the afternoon's outing, but the marine clays and sands of the railway cutting about a mile north of Chelsea station afford fine examples of marine fossil shells of the Pleistocene age, among which may be noted:—*Saxicava rugosa*, *Macoma balthica*, *Leda* (*Portlandia*) *arctica*.

H. M. AMI.

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