

after an interval, are green and red slaty beds and unctuous felspathic schists, dipping N.  $30^{\circ}$  W.  $< 70^{\circ}$ . These latter have the appearance of the pre-Silurian rocks of Division 4.

The representatives of the Primordial series at the head of the Long Reach are to be seen in a small cove forming a part of the southern shore of Gorham's Bluff, and consist of ferruginous grey sandstones containing poorly-preserved fossils. They have a southerly dip (S.  $40^{\circ}$ - $50^{\circ}$  E.  $< 50^{\circ}$ ), and are flanked on the south by recomposed quartziferous felsites of an older series, continuous through Rocky Island with the granulites of the north shore of the Reach, and on the north by rubbly, dark-purple and sandy beds, which form the base of the Upper Silurian formation.