

In the centre of the St. John Basin the thickness of this division, especially of its upper part (Section *c*), is greatly increased. The whole division there counts about 1,000 feet of measures. It is visible on the east side of Courtenay Bay, from its head to the Alms House brook. In the Old City it forms a broad belt across the centre, bounded on the north by a line from Union street east, to the Carleton Ferry, and on the south by one from Orange street east, to Reed's Point. On the west side of the harbour it rises prominently into a ridge at King's Square, south of which its width extends for the space of one block (or square).

*Division 3, or Bretonian Stage.*—This division includes at the summit a small thickness of beds, which belong to the Ordovician system; but although not Cambrian, they form a part of the St. John Group, and are therefore included in this statement.

The Bretonian consists entirely of fine shales of dark color, much of it being intensely black and carbonaceous. It contains three faunas and so marks the passage of a long interval of time.

	Thickness in feet.
<i>a</i> Black shales alternating with dark grey shales, and having calcareous nodules. (Zone of <i>Parabolina spinulosa</i> ),...	100 ?
<i>b</i> The same as the last, but finer. (Zone of <i>Peltura scarabeoides</i> ),	100 ?
<i>c</i> Black carbonaceous shales. (Zone of <i>Dictyonema flabelliforme</i> ),	300
? Same as the last, fauna unknown,.....	175 ?
<i>d</i> Similar shales with a few sandy seams. (Zone with <i>Tetragraptus quadribanchiatus</i> ),....	25 ?
	<hr/> 700

These soft rocks lie in the valley along the boundary line between the Old City and Portland ("South End and North End,") and extend thence through the harbour to the "Falls" of the St. John River where their thickness is seven hundred feet. Another belt of the rocks of this division extend across the city from Market Square and Water street north, to St. David's street on Courtenay Bay. The rocks of this division always occupy low land, except on the south side of "the valley," where they rise on its southern flank, crossing Jeffrey's Hill, and extending to the City Hospital, etc.