

em, and may be
ly, while on the

on the chart of
water ordinary
east side of the

re been referred
ports. At the
e and the other
water above the
re-determined
ity datum. The
is, as explained

re given below

vation.
(Feet.)

00-00

6-78

4-58

2-30

1-10

2-00

1-85

4-22

to the level of
marks, one at
below. Also
level of low
Island light

island facing
into the rock
l of low water
e are reduced,

was the top

Lawrence river
below. The
ber 15.

Description.

Elevation.
(Feet.)

Top of cap at outer end of West Wharf.....	103-38
Highest known High Water at the spring tides of February, 1894, as marked at the time and pointed out by Captain Langlois, who resides on the island. The more trustworthy marks give the level of this high water as 102-85 or 103-33. Best mean value.....	103-01
Bench-mark—Top of eye of ring bolt, as above described. Elevation adopted.....	100-00
Highest level of High Water recorded during the season of 1900, on September 12.....	99-90
Highest level of High Water undisturbed by storms during the season of 1900.....	98-95
Admiralty Low Water datum, at 21 feet 10 inches below the ring bolt.....	78-17
Lowest level of Low Water recorded during the season of 1900, on September 9.....	77-80
Zero of Wharf Scale of tide gauge, at 23-78 feet below the ring bolt.....	76-22
Extreme Low Water, said to lay bare the surface of the mud at site of tide gauge near end of wharf. Corresponding elevation.....	72-90 (f)

The greatest known rise of the tide, in February, 1894, is thus 24-84 feet above Admiralty datum. This is of interest, as the tide here attains its maximum range on the St. Lawrence.

L'Islet.—The Admiralty Bench-mark is a 'broad arrow' cut into the face of a vertical rock, at 30 feet east of the inner end of the pier at L'Islet. The level of low water at ordinary spring tides, to which the soundings on the chart of the Traverse are reduced, is at 34 feet below this Bench-mark.

On the face of the same rock, a little lower down and to the westward, a copper bolt is let in horizontally, and is marked G.B.M. (Government Bench-mark) No. CLIV.

The levels at L'Islet are as follows:—

Description.

Elevation.
(Feet.)

Admiralty Bench-mark, as above. Elevation adopted.....	100-00
Copper bolt above described, cross-line at the centre.....	98-28
Highest level of High Water recorded during the season of 1900, on September 12.....	86-10
Highest level of High Water undisturbed by storms during the season of 1900.....	84-70
Admiralty Low Water datum, at 34 feet 0 inches below their bench-mark.....	66-00
Lowest level of Low Water recorded during the season of 1900, on September 11.....	65-60
Zero of Wharf Scale of tide gauge.....	63-81

During the whole season, from May 12 to October 15, there were seven tides which fell to the level of the Admiralty datum, or went below it. None of these were more than 0-40 of a foot below datum, this being the lowest point reached, as shown above. This indicates the amount by which the chart soundings in the Traverse may be reduced at times. The levels at Grosse Isle give a corresponding result.

Orignaux Point.—The Admiralty Bench-mark at this point, is a 'broad arrow' cut on a small vertical face of rock, facing the east; at a distance of 37½ feet west of