

TABLE I—AT HALF TIDE.

DIRECTION of the Current at half tide; and VELOCITY in knots, corresponding with the mean spring range of 24 feet at St. John, N.B. From observations in the season of 1904; June to September.

Station and Position.	Flood.		Ebb.	
	Velocity.	Direction.	Velocity.	Direction.
E. From C. Rowway; S 51° E, 11 M.	0.80	Southerly.	0.85	E. & N.
G. " Cape Sable; S 22° W, 3½ M.	2.70	W.N.W.	2.30	E. & E.
F. " " S 22° W, 12½ M.	1.90	N.W. & W.	2.10	E. & S.
H. " Seal island light; S 8° W, 8 M.	2.34	N.W. & N.	2.37	S.E.
B. " " S 70° W, 13 M.	2.95	N. & W.	2.70	S.S.E.
P. " Lurchee shoal; S 82° E, 6 M.	2.20	N. & E.	2.15	S.
C. " " S 80° W, 10 M.	1.82	N. & E.	1.87	S. & E.
J. " Brier island light; S 84° W, 5½ M.	3.25	N.N.E.	3.19	S.S.W.
N. " Petit Passage; N 28° W, 9½ M.	2.30	N.E.	2.40	S.W.
A. " Brier island light; N 63° W, 15 M.	1.67	E.N.E.	1.62	W. & S.
K. " Gannet rock; S 48° E, 5 M.	2.85	N.E. & E.	4.40	W. & S.
L. " Big Duck island; N 67° E, 3½ M.	0.65	Northerly.	1.70	S. & E.
M. " W. Quoddy light; S 17° W, 4½ M.	2.90	N.E. & E.	2.40	S.W. & W.
D. " Moose Peak light; S 48° E, 6 M.	1.00	N.E. & N.	1.55	W. & S.

TABLE II—SLACK WATER.

TIME of Slack Water before or after High and Low Water at St. John, N.B.

Position.	Depth.	Slack Water at High Tide.		Slack Water at Low Tide.	
		h. m.		h. m.	
Station G.	20 F.	2: 30	before High Water.	3: 15	before Low Water.
" F.	34 F.	1: 06	"	1: 17	"
" H.	26 F.	1: 13	"	1: 02	"
" B.	44 F.	25	after High Water.	13	"
Lurchee shoal.		23	"	34	"
Station P.	33 F.	20	"	10	after Low Water.
" C.	53 F.	22	"	35	"
" J.	50 F.	44	"	41	"
" N.	98 F.	1: 00	"	43	"
" A.	105 F.	04	"	49	before Low Water.
" K.	45 F.	05	before High Water.	35	after Low Water.
" L.	70 F.	55	"	1: 40	"
" M.	48 F.	30	after High Water.	10	"
" D.	42 F.	05	"	1: 05	"