



LIST

82453

OF

LIGHTS AND FOG SIGNALS

ON THE

COASTS, RIVERS AND LAKES

OF THE

DOMINION OF CANADA

CORRECTED TO THE

1st April, 1902

DEPARTMENT OF MARINE AND FISHERIES



OTTAWA

GOVERNMENT PRINTING BUREAU

1902

LIST OF LIGHTS AND FOG-SIGNALS

ON THE

COASTS, RIVERS AND LAKES

OF THE

DOMINION OF CANADA

UNDER THE CHARGE OF THE DEPARTMENT OF MARINE
AND FISHERIES.

The Lights in the Bay of Fundy and on the southern and eastern coasts of Nova Scotia, those required for the winter passage of either steamers or ice boats to Prince Edward Island, and all the Lights in British Columbia, are exhibited all the year round.

All other lights under the control of the Department of Marine and Fisheries are maintained in operation whenever the navigation in the vicinity is open. Lights used solely as harbour lights are not exhibited when the harbour is closed, although the general navigation may remain open. Fishing lights are maintained only during the fishing season. In any case where there is reasonable doubt whether the light is required it is kept in operation.

All the Lightships in the River St. Lawrence below Quebec leave Quebec each spring for their stations as early as ice will permit. The Red island and White island lightships leave their stations for winter quarters on the 15th November annually.

All the Gas Buoys in the River St. Lawrence are set out as soon as possible after the 11th May each spring, and taken up as soon as convenient after the 10th November each autumn, when they are replaced by wooden spar buoys. All Buoys in the River St. Lawrence below Quebec are removed after the 14th November, excepting those replacing the gas buoys at each end of the Beaujeu bank and at the Channel patch, one at the west end of Middle bank, and one at St. Roch, East point, in the Traverse, which are left when possible until the last ocean vessel has passed out.

F. GOURDEAU,

Deputy Minister of Marine and Fisheries.

DEPARTMENT OF MARINE AND FISHERIES,

OTTAWA, CANADA, 1st April, 1902.

TABLE OF DISTANCES

BY ALAN STEVENSON.

TABLE of Distances at which objects can be seen at sea, according to their respective elevations and the elevation of the eye of the observer.

Heights in feet.	Distances in Statute or English Miles.	Distances in Geographical or nautical Miles.	Heights in feet.	Distances in Statute or English Miles.	Distances in Geographical or nautical Miles.	Heights in feet.	Distances in Statute or English Miles.	Distances in Geographical or nautical Miles.
5	2·958	2·565	70	11·067	9·598	250	20·916	18·14
10	4·184	3·628	75	11·456	9·935	300	22·912	19·87
15	5·123	4·443	80	11·832	10·26	350	24·748	21·46
20	5·916	5·130	85	12·196	10·57	400	26·457	22·94
25	6·614	5·736	90	12·549	10·88	450	28·062	24·30
30	7·245	6·283	95	12·893	11·18	500	29·580	25·65
35	7·826	6·787	100	13·228	11·47	550	31·024	26·90
40	8·366	7·255	110	13·874	12·03	600	32·403	28·10
45	8·874	7·696	120	14·490	12·56	650	33·726	29·25
50	9·354	8·112	130	15·083	13·08	700	35·000	30·28
55	9·811	8·509	140	15·652	13·57	800	37·416	32·45
60	10·246	8·886	150	16·201	14·22	900	39·836	34·54
65	10·665	9·249	200	18·708	16·22	1,000	41·833	36·28

EXAMPLE.—A Light 100 feet above the water will be visible to an observer whose eye is elevated 15 feet above the water 15·9 nautical miles ; thus, from the table :—

	15 feet elevation, distance visible,	4.41 nautical miles.
100	“	11.47
		15.91

ABBREVIATIONS AND EXPLANATIONS

Lights

- F. Fixed. A continuous steady light. In catoptric lights the intensity may vary, depending on the position of the mariner with reference to the axis of the reflectors.
- FL. Flashing. Showing single flashes.
- GP. FL. Group Flashing. Showing groups of two or more flashes in succession (not necessarily of the same colour) separated by eclipses, followed by a longer eclipse.
- F. & FL. Fixed and Flashing. Fixed light, varied by single white or coloured flashes, which may be preceded and followed by short eclipses.
- REV. Revolving. Light gradually increasing to full effect, then decreasing to eclipse. (*At short distances and in clear weather a faint continuous light may be observed. As lights of this class are all catoptric they are liable to variations in intensity during the continuance of the flash as the position of the reflectors changes.*)
- GP. REV. Group Revolving. Showing groups of two or more flashes in succession produced by revolving catoptric apparatus, separated by eclipses, followed by a longer eclipse.
- Occ. Occulting. A steady light suddenly and totally eclipsed.
- ALT. Alternating. Red and white light alternately at equal intervals.
- The time given for a revolving or flash light is from the beginning of one flash to the beginning of the next.

ILLUMINATING APPARATUS.

- C. Catoptric, or by metallic reflectors.
- D. Dioptric, or by refracting lenses numbered from the first order downwards. Those marked of the 7th order are anchor lenses or anchor lens lanterns of 5 inches focal distance; those marked "p" are inferior pressed glass lenses, principally of $3\frac{1}{2}$ inches focal distance.

The Bearings are Magnetic, and are given from seaward.

The given distances from which the lights are visible are calculated from a height of fifteen feet above the sea, the elevation of the lights being in all cases taken as above high water.

The Geographical Positions of the Lights are Approximate

CAUTION

WITH RESPECT TO LIGHTS

The intrinsic power of a light should always be considered when expecting to make it in this weather. A weak light is easily obscured by haze, and no dependence can be placed on its being seen.

Coloured Lights are also inferior in power to bright or white lights, and are more quickly lost under unfavourable circumstances.

CUTS OR SECTORS.

In some conditions of the atmosphere, white lights may have a reddish hue. The mariner should not trust solely to colour where there are sectors, but verify the position by taking a bearing of the light. On either side of the line of demarcation, between white and red, and also between white and green, there is always a small arc of uncertain colour.

WITH RESPECT TO FOG-SIGNALS.

Having in view the varying distances at which a fog-signal can be heard at sea, and the frequent occurrence of fog near to, but not observable from, a fog-signal station—

Mariners are cautioned that, whilst they are entitled to assume that every endeavour will be made to start Fog-signals as soon as possible after signs of fog have been observed, they should not, when approaching the land in a fog, rely implicitly upon these fog-signals, but should always use the lead, which, in nearly all cases, will give sufficient warning.

Mariners are strongly cautioned that they must not judge their distance from a fog-signal by the power of the sound. Under certain conditions of the atmosphere the sound may be lost at a very short distance from the station, and these conditions may vary at the same station within very short intervals of time.

The expression "foggy weather" means that the state of the atmosphere is such as to make objects indistinct.

ERRORS.

N.B.—It is particularly requested that any errors or omissions noticed in this work, or any failure in the aids to navigation may be immediately communicated, by letter, to the

CHIEF ENGINEER OF
MARINE AND FISHERIES,

Ottawa, Canada.

Such letters may be mailed post free in Canada.

LIST
OF
LIGHTS AND FOG SIGNALS
ON THE
COASTS, RIVERS AND LAKES
OF THE
DOMINION OF CANADA
CORRECTED TO THE
1st April, 1902

NEW BRUNS

BAY OF

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1	LITTLE RIVER.....	U.S. Light.						
2	MACHIAS SEAL ISLAND.	Near middle of island... 64 yards S.E. from north westerly light.	44 30 7 67	6 19	F. white.....	D, 2..	76	14
3	GANNET ROCK.....	S. of Grand Manan.....	44 30 38 66	46 57	F. & Fl. white..... Light 45 sec. Eclipsed 5 " Flash 4 1/2 " Eclipsed 5 1/2 " In every 60 "	D, 4..	66	13
5	(SOUTHWEST HEAD.	On edge of cliff, S. extremity of head.	44 36 0 66	54 16	Gp. Rev. red and white, 2 mins. 3 red flashes 40 sec. Eclipse 20 " 3 white fla. 40 " Eclipse 20 "	C....	200	20
7	GRAND HARBOUR	On Fish Fluke point...	44 40 2 66	45 8	F. white.....	C....	40	11
8	BIG DUCK ISLAND FOG HORN.	S. end of island.....	44 41 5 66	41 40				
10	SWALLOWTAIL...	Near edge of high cliff, N.E. part of island.	44 45 46 66	44 2	F. white.....	D, 4..	148	18
11	LONG EDDY POINT FOG WHISTLE.	Extreme N.W. head of island.	44 48 0 66	47 15				
12	SOUTH WOLF WHISTLING BUOY.	In 52 fms. 1 1/2 miles S.S. E. from S.W. Wolf light.	44 55 20 66	42 30				
13	SOUTHWEST WOLF ISLAND.	On S.E. point of the island.	44 56 30 66	44 00	Rev. white, 1 1/2 minutes.	C....	111	16
	QUODDY HEAD.....	U. S. light and whistle.						
	SOUTHWEST HEAD...	Described above, No. 5.						
15	MULHOLLAND POINT.	On E. side Lubec Narrows, Campobello Island.	44 51 40 66	58 50	F. white.....	D, 7..	66	13
16	HEAD HARBOUR.....	E. Quoddy head N. point of Campobello Island.	44 57 30 66	54 10	F. white.....	D, 4..	64	13

WICK.

FUNDY.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, octagonal, wood; red metal lantern.	57	1832	Steam-whistle sounds 5 seconds in every 30 seconds	Lights visible all around the horizon. In range N.W. lead $4\frac{1}{2}$ miles S. of Murr Ledges.	1
White, octagonal, wood; red iron lantern.	53	1832 reb't 1875			2
Black and white vertical stripes, octagonal, wooden.	41	1831	Cotton powder bombs exploded every 15 minutes; and every 5 minutes when vessels' signals are heard in dangerous proximity.	Dangerous rocks extend 4 miles eastward of the light.	3
White, square, wood, with dwelling attached.	43	1880	Hand horn answers signals from vessels.		5
White, square, wood; dwelling attached.	32	1879	Hand horn answers signals from vessels.	Visible from all points seaward.	7
White, with brown roof, dwelling near by.		1886	Horn sounds 6 seconds with intervals of 35 seconds.		8
White, octagonal, wood, with white dwelling and outbuildings near	50	1860	Hand horn answers signals from vessels.	Visible between the bearings of S.W. round by S. to N.W.	10
White wooden building, dark roof.			Steam-whistle sounds 4 seconds with intervals of 16 seconds.	Whistle 80 feet above high water.	11
Black iron buoy, with "S. Wolf" in white, surmounted by 10 in. whistle.		1891	Whistle sounded automatically by waves.	From the buoy, Head Harbour light bears N.W. by W. $8\frac{1}{4}$ miles; and Lepreau light E. by N. $\frac{1}{2}$ N., $13\frac{1}{2}$ miles.	12
White, square, wood; lantern on dwelling.	35	1871	Hand horn answers signals from vessels.	Visible from all points of approach.	13
White, octagonal, wood	44	1885		Visible from N.N.W. through E. to S.S.W.	15
White, with red cross, octagonal, wooden tower with dwelling attached. Iron lantern, red.	34	1829 Fog horn 1880	Horn sounds blasts of 8 seconds' duration, with intervals of 35 seconds between them. Bell at the lighthouse is rung by hand in answer to signals from vessels.		16

NEW BRUNSWICK

BAY OF

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.	
18	ST. CROIX RIVER.	DOCHET ISLAND.	U. S. light.						
		WHITLOCK MILL	U. S. light.						
		MARKS POINT	N. shore of river.....	45 10 10	67 12 30	F. white.....	C.....	32	10
19		SPRUCE POINT	N. shore of river.....	45 10 0	67 10 25	F. white.....	C.....	32	10
21	PASSAMAQUODDY BAY.	ST. ANDREWS.	N. point of entrance...	45 4 0	67 3 0	F. white.....	C.....	42	10
22			On sand reef at E. entrance.	45 3 45	67 0 50	F. white.....	C.....	40	10
24		MIDJIK BLUFF.	Passamaquoddy Bay, Charlotte Co.	45 6 53	66 54 30	F. white.....	C.....	130	15
25		LETETE PASSAGE	On Mascabin Point....	45 2 20	66 53 30				
		HEAD HARBOUR.....	See above, No. 16.						
26		BLISS ISLAND.....	West end of island, S. side of western entrance to Bliss Harbour.	45 1 15	66 51 0	F. white.....	C.....	45	12
27		PEA POINT.....	E. side of entrance to l'Etang Harbour.	45 2 20	66 48 40	F. green.....	C.....	51	10
28		BEAVER HARBOUR FAIRWAY WHISTLING BUOY.	In 22 fathoms 1½ miles S. from Beaver Harbour lighthouse.	45 2 22	66 43 30				
29		DREWS HEAD.....	On W. side of Beaver Harbour.	45 3 45	66 44 5	F. white.....	C.....	45	10
30		LEPREAU WHISTLING BUOY.	In 23 fathoms 1 mile S.S.W. from light.	45 2 31	66 27 50				
31		LEPREAU.....	On low point, 327 feet from extremity.	45 3 32	66 27 45	Rev. white, every 30 seconds.	C.....	80	14
32		DIPPER HARBOUR...	On S. point of Campbell island.	45 5 30	66 25 0	F. red.....	D, 7..	30	6

WICK—Continued.

FUNDY—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood..	28	1876	.....	The course from Spruce Point to ballast ground is E. by S. $\frac{1}{2}$ S., distance 2 miles. From Spruce Point to Marks Point, W.N.W., distance 2 miles. A vessel after leaving Dochet Island, to clear the reef, should steer N. until the Spruce Point light bears N.W. by W., and thence take a W.N.W. course.	18
White, square, wood..	28	1876	.....		19
White, octagonal, wood	22	1833	.....	Visible between the bearings of N.W. by N. and S.E. by S.	21
White, square, wood, on a framed pier.	10	1875	Hand horn answers signals from vessels.	There is a depth of 4 feet of water only on the N.W. extension of the reef towards mainland.	22
White, square, wood, lantern brown.	29	1876	.....	A bar extends E.N.E. from light-house, and vessels require to keep off a distance of 260 yards to clear it at low water.	24
White, square, wood..	...	1879	Steam horn sounds blasts of 7 seconds, with intervals of 30 seconds between them.	.....	25
White, square, wood..	30	1871	Hand horn answers signals from vessels.	.....	26
White, square, wood, with dwelling attached.	31	1878	Hand horn answers signals from vessels.	Visible from seaward from W. through N. to S. An iron spindle, painted black, on the Grey Mare Ledge, marks the W. side of entrance.	27
Iron buoy, red and white vertical stripes, with "Beaver Harbour" in black, 10-inch whistle.	...	1899	Whistle sounded by motion of waves.	Pea Point light bears W. by N. $\frac{3}{4}$ N., 3 $\frac{1}{2}$ miles; Lepreau light, E. by S. $\frac{1}{4}$ S., 11 miles; and Head Harbour light, W. by S. $\frac{1}{4}$ S., 9 miles.	28
White, square, wood..	36	1875	Hand horn answers signals from vessels.	Seen at all points between eastern and western heads of harbour.	29
Black and white vertically striped iron buoy with "Lepreau" on side, surmounted by 10-inch whistle.	.....	1884	Whistle sounded by motion of waves.	From the buoy Wolf Island light bears W. $\frac{3}{4}$ S.; and Musquash light, E. by N. $\frac{1}{4}$ N.	30
Octagonal, wood, red and white horizontal bands, red polygonal iron lantern.	54	1831 re-built 1899	Steam horn gives blasts of 5 seconds' duration, with intervals of 25 seconds between them.	Visible from all points seaward.	31
White, with red roof, square, wood.	23	1888	Hand horn answers signals from vessels.	Visible seaward and in the harbour when bearing from S. by W. to S. E.	32

NEW BRUNS

BAY OF

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
33	DIPPER HARBOUR BELL BUOY.	Off harbour, in fathoms, 1 mile S. $\frac{3}{4}$ E. from light.	16 45 4 40	66 24 16				
34	SPLIT ROCK WHISTLING BUOY.	In 30 fathoms off Split Rock.	45 7 0	66 14 40				
35	MUSQUASH HARBOUR FAIRWAY BELL BUOY.	In 10 fathoms at entrance to harbour.	45 8 40	66 14 50				
36	MUSQUASH.....	E. side of entrance.....	45 8 35	66 14 30	F. green seaward F. white to harbour.	C.....	112	10
37	PARTRIDGE ISLAND.	Highest point of Island, St. John Harbour.	45 13 54	66 3 10	F. white.....	D, 3..	119	17
38	PARTRIDGE ISLAND BELL BOAT.	In 26 feet. Near E. side of Partridge Island.	45 14 7	66 2 43				
39	NEGRO POINT.....	On end of Government breakwater, W. entrance to port.	45 14 13	66 3 19	F. white.....	D, 6..	40	8
40	ST. JOHN HARBOUR.	On pier on point of bar, W. side of channel.	45 14 58	66 3 12	F. red	D, 4..	35	10
41	REEDS POINT.....	On Prince William Street, foot of St. James' Street, St. John City.	45 15 41	66 3 28	F. red and white. 64 c. p. incandescent lamps.	Elec- tricity	42	5

RIVER ST.

42	GREEN HEAD.....	On wooded hillside on W. side of channel at turn $1\frac{1}{2}$ miles above Indiantown.	45 16 50	66 9 15	F. white..	D, 7..	150	10
43	PERRY POINT	Kennebecasis river. On E. side of public wharf	45 29 0	65 57 15	F. white.....	D, p..	35	10

WICK—Continued.

FUNDY—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Black iron buoy with "Dipper Har." in white letters on the deck, surmounted by a bell.	.....	1901	Bell rung by motion of buoy on the waves.	From the buoy Point Lepreau light bears W. $\frac{1}{2}$ S., $2\frac{1}{2}$ miles.	33
Black iron buoy, with "Split Rock" in white, surmounted by a 10-inch whistle.	.....	1880	Whistle sounded by motion of waves.	From the buoy Musquash light bears N.E. by N. $\frac{3}{4}$ N., $1\frac{1}{2}$ miles; Western head, Musquash, bears N. $\frac{1}{4}$ E., $1\frac{1}{4}$ miles; Partridge island bears E.N.E., $10\frac{1}{2}$ miles.	34
Black and white vertically striped, iron buoy, surmounted by a bell.	...	1901	Bell rung by motion of buoy on the waves.	From the buoy Musquash lighthouse bears E. by S.; and the nearest point of western head, N.W. $\frac{1}{4}$ W.	35
White, square, wood, with dwelling attached.	40	1879	Hand horn answers signals from vessels.	.....	36
Vertical red and white stripes, octagonal wooden, with red iron lantern.	40	1791	Steam-whistle sounds blasts of 5 seconds' duration with silent intervals of 20 seconds and 30 seconds alternately between them.	.....	37
Black iron boat surmounted by a tower and bell.	.....	.....	Bell rung by motion of the boat on the waves.	From the buoy Partridge Island light bears W. $\frac{1}{2}$ N. $\frac{1}{4}$ mile; W. tangent of Inner Mispeck point, S.E. by S. $\frac{1}{4}$ S., $2\frac{1}{2}$ miles; St. John harbour light, N. $\frac{1}{4}$ W. $\frac{3}{4}$ mile.	38
White with red lantern, open framed hexagonal tower, on circular stone foundation.	35	1878 re-established 1883	.....	.....	39
Vertical black and white stripes.	15	1828	Bell rung by machinery gives a stroke every 20 seconds.	.....	40
On a three branched lamp post.	21	1850	.....	Shows red to seaward over an arc of $67\frac{1}{2}^{\circ}$ from N.E. to N.N.W., white on other bearings.	41

JOHN.

White, square, wood ..	50	1869 Tower 1896	Hand horn answers signals from vessels.	.....	42
Lantern on a mast, with white shed at base.	30	1900	.....	Visible from all points of approach. In making for wharf keep in mid-channel till light bears N.N.E., then take this bearing to wharf.	43

NEW BRUNS

RIVER ST.

No.	Name.	Location.	Latitude N	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
44	SAND POINT.....	Low shore, E. side of river, about 150 feet back from high water mark.	45 20 50	66 13 0	F. white.....	D, 7..	60	13
46	BELYEA POINT....	On Nathaniel Belyea's point, W. side of River.	45 23 5	66 14 30	F. white.....	D, 7..	40	11
47	WILLIAMS LANDING..	Near outer end of public wharf.	45 30 50	66 7 45	F. white	D, p..	30	10
48	OAK POINT.....	Low land, W. side of river.	45 32 10	66 8 0	F. white.....	C	50	10
49	FLEWELLING LAND- ING.	West side of river, Parish of Greenwich.	45 33 0	66 9 8	F. red	D, 7..	25	5
50	GREYS POINT . . .	At head of Belleisle bay. On cribwork pier, 335 ft. S. from N.W. corner of Government wharf.	45 38 41	65 57 32	F. white.....	D, p..	46	8
51	HATFIELD POINT RANGE.	Front light on cribwork block in angle at outer end of public wharf.	45 39 5	65 57 30	F. white.....	D, p..	41	5
52		Back light 160 feet N. N. E. from front.	.....	.....	F. red	D, p..	36	2
53	PALMER LANDING...	On the outer end of government wharf.	45 35 42	66 2 55	F. white.....	D, p..	34	11
54	HAMPSTEAD WHARF.	On W. side of river. Near outer end of public wharf.	45 37 30	66 6 0	F. white.....	D, p..	36	11
55	WASHAEMOAK LAKE. { MUSQUASH ISLAND.	Queens County.....	45 42 40	66 6 40	F. white.....	C	33	10
56		HENDRY FARM Queens County, 24 miles N.E. of Musquash Island light.	45 43 0	66 5 30	F. white.....	C	30	10
58		GAGETOWN.....	45 46 0	66 11 0	F. white.....	D, 7..	53	8

WICK—Continued.

JOHN—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Red skeleton steel tower, upper enclosed part white.	58	1869 ch'ged 1898			44
White, square, wood..	36	1882		To guide clear to Purdy's shoal	46
Lantern on a mast	25	1884		To guide through Long Reach.	47
Lantern on mast, with white shed at base, all elevated on open framework.	32	1869			48
Lantern on a white mast	19	1885		Shows from N.E. round through E. to S.W.	49
Lantern on a mast, with white shed at base.	36	1900		Visible from all points of approach by water. Answers as a leading light through channel S.S.W. from Hatfield Point wharf.	50
Lantern on a mast....	40	1890		In Belleisle bay. Lights visible between the bearings of N.E. through N. to S.W.	51
Lantern on a mast near Israel Noble's dwelling which is white, square, wood.	38	1890		In range show centre of dredged channel S.S.W. and lead to Gray's wharf on S. side. Sides of channel are balized, and a black can buoy is moored at S. end of dredged cut.	52
White, square, wood..	28	1884 mov'd 1896			53
Lantern on a mast, with white shed at base.	31	1900		Visible from all points of approach by water. To guide to public wharf.	54
White, square, wood, on piles.	27	1875 Re-built 1893		In coming down, the two lights to be kept in range until opposite N.W. end of Hog Island whence a southerly course to be kept to foot of Musquash Island. In going up, the two lights to be brought in range opposite N.W. end of Hog Island, and kept in range until within $\frac{1}{2}$ mile of the light on Hendry Farm.	55
White, square, wood, on piles.	27	1875 Re-built 1893			56
White, square, wood. Lantern red. On cribwork pier.	47	1895		To guide vessels between Jemseg and Musquash Island, and to show turn in river at Buzzaz.	58

NEW BRUNSWICK

RIVER ST.

No.	Light.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
59	JEMSEG	On S. side lower Jemseg entrance.	45 47	0 66 8 40	F. red	D, 7.	34	3
61	COX POINT		46 2	0 66 1 0	F. white	C	26	10
62	MCMANN POINT	Newcastle	46 4	0 66 2 0	F. white	C	28	10
63	ROBERTSON POINT		45 53	0 66 13 0	F. white	C	16	10
64	FANJOY POINT		45 55	10 66 4 0	F. white	C	16	10
65	BRIDGES POINT	On E. side of river opposite foot of Mauger Island.	45 52	36 66 19 21	F. white	D, 7.	45	12
66	OROMOCTO	About 400 yds. South Eastwardly from head of public wharf.	45 51	8 66 29 38	F. white	D, 7.	52	10
67	WILMOT BLUFF	W. side of river	45 52	15 66 32 40	F. white	C	104	10

BAY OF

	PARTRIDGE ISLAND ..	See above, No. 37.						
70	BLACK POINT WHISTLING BUOY.	In 15 fathoms outside entrance of St. John harbour.	45 11	30 66 1 0				
71	CAPE SPENCER	Pitch of cape	45 12	5 65 54 35	Alt. red and white 45 seconds.	C	207	20
72	QUACO LEDGE BELL BUOY.	In 10 fathoms $\frac{1}{2}$ mile N.W. of ledge.	45 14	35 65 22 40				
73	QUACO, WEST HEAD.	On pitch of cape St. Martins.	45 19	30 65 32 10	Rev. white, 20 seconds.	C	110	16
74	QUACO BELL BUOY ..	At S.E. extremity of reef at West head in 10 fathoms $\frac{1}{2}$ mile S.E. by E. from light.	45 19	21 65 31 40				

WICK—Continued.

JOHN—Concluded.

Colour and any peculiarity of Buildings.	Height in feet of Building, from base to vane.	When established	Fog-Signal.	Remarks.	No.
Mast, with white shed with brown roof at base, on white timber pier.	21	1884		Light shows from S.W. round by W. to N.E.	59
White, square, wood..	36	1869			61
White, square, wood..	26	1876			62
White, square, wood..	16	1873			63
White, square, wood..	16	1873			64
White, square, wood, with lantern roof red.	30	1891		To guide vessels through the channel on E. side of Gilbert or Mauger Island.	65
White, square, wood, on cribwork pier. Lantern red.	47	1869 mov'd 1895			66
Lantern on mast, with white shed at base, elevated on open framework.	40	1869			67

FUNDY (RESUMED.)

Black iron buoy with "Black Pt." in white letters, surmounted by a 10-inch whistle.	1890	Whistle sounds by the action of the waves.	From the buoy Partridge Island light bears N. $\frac{1}{2}$ W., $3\frac{1}{2}$ miles; Mispeck Point, E. $\frac{1}{2}$ N., $1\frac{1}{2}$ miles; south-west end of Meogenes Island, N.W. by W., $3\frac{1}{2}$ miles.	70	
White, square, building with tower.	35	1873	Hand horn answers signals from vessels.	Visible between the bearings E.S.E. round by S. to W.N.W., Partridge Island light bearing N.W. by W. $\frac{1}{2}$ W., distant $6\frac{1}{2}$ miles.	71
Red iron buoy with "Quaco Ledge" in white letters, surmounted by a bell.	1886	Bell rung by motion of buoy on the waves.	From the buoy Quaco head light bears N.W. by N., $8\frac{1}{2}$ miles; Cape Spencer light, W. by N. $\frac{1}{2}$ N., 23 miles; Isle Haute light, E. by S. $\frac{1}{2}$ S., $15\frac{1}{2}$ miles.	72	
White, square, wood, dwelling attached. Fog building white, with brown roof, wood.	49	1835 re-built 1883	Steam horn 70 feet from lighthouse, gives blasts of 9 seconds with intervals of 30 seconds.	General coast light and to guide to St. Martin Harbour.	73
Black iron buoy with "Quaco Reef" in white letters on deck, surmounted by a bell.	1885	Bell rings by action of waves.	From the buoy Quaco head light bears N.W. by W., $\frac{1}{2}$ mile; and Quaco pier light, N. by E., 2 miles.	74	

NEW BRUNSWICK

BAY OF

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
75	QUACO PIER.....	On outer end of E. breakwater pier.	45 21 20	65 31 55	F. red.....	D, p...	20	6
77	ANDERSON HOLLOW	On eastern end of Government breakwater.	45 37 30	64 49 45	.....	.....	.....	.....
	APPLE RIVER.....	See N.S. lights below No. 85.						
78	CAPE ENRAGE.....	Pitch of cape.....	45 35 40	64 47 0	F. white.....	D, 4..	120	15
79	GRINDSTONE.....	W. point of island.....	45 43 16	64 37 24	F. white.....	C.....	79	14
80	WARD POINT.....	Rockport.....	45 43 35	64 29 40	F. white.....	D, p...	72	10
81	FORT FOLLY POINT..	On extreme point.....	45 52 5	64 33 55	F. white.....	D, 7..	77	14

For lights on the Gulf of St. Lawrence coast of New Brunswick, see 508 and following numbers.

WICK—Continued.

FUNDY—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood..	21	1887	Hand horn answers signals from vessels.	Visible between $W \frac{1}{2} N.$ and $N. W.$; and between $N. \frac{1}{2} E.$ and $N.E.$ by $E.$ Obscured from $N. W.$ to $N. \frac{1}{2} E.$ The deepest water in entering the inner harbour is close to the light.	75
.....		1889 re-built 1898	Hand horn answers signals from vessels.	Vessels may run for harbour one hour before high water. Light-house destroyed by storm.	77
White, octagonal wooden, surmounted by red metal lantern. Fog-alarm building of drab stone with slate roof.	23	1840	Steam horn sounds blasts of 8 seconds, with intervals of 20 seconds.	Fog-alarm is 130 feet S.W. from the lighthouse, at an elevation of 100 feet.	78
White, octagonal, wood, white dwelling near by. Fog-horn building white, with brown roof.	40	1854	Steam horn sounds blasts of 15 seconds, with intervals of 30 seconds.	Visible over 315° from S.W. by W. through N. to W. by N. Fog-alarm building stands in front of tower. If horn disabled, old trumpet 150 feet behind will sound short blasts every 15 seconds.	79
White, square, wood..	22	1890	.....	Visible from E.N.E. through N. to S.W. $\frac{1}{2} W.$	80
White, with iron lantern red, square, wood, with dwelling attached.	35	1890	Hand horn answers signals from vessels.	At junction of Petitcodiac and Memramcook rivers.	81

NOVA

BAY OF

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
85	APPLE RIVER.....	On Cape Capston, or Hetty Point, N. entrance.	45 28 20	64 51 35	F. white	C	64	12
86	ISLE HAUTE	On highest point . . .	45 14 55	65 0 45	Rev. white, 1 min.	C	365	20
87	ADVOCATE HARBOUR.	On S. side of entrance.	45 19 30	64 47 30	F. red	D	36	7
88	CAPE D'OR FOG-WHISTLE.	On extreme point, opposite side of channel from Blackrock.	45 17 25	64 46 40	.....	.....	.....	.....
89	CAPE SHARP...	On southern extremity of cape.	45 21 55	64 23 20	F. red	D, 7..	60	10
90	PARSBORO OR PARTRIDGE ISLAND.	W. side of river	45 23 0	64 19 5	F. white	C	37	9
92	ECONOMY.....	On point of bar running out from N. side of entrance to Economy River.	45 22 45	63 55 00	F. red	D, p..	15	5
93	PORTAPIQUE...	On western head at entrance to, Portapique River.	45 23 35	63 43 30	F. red	D, p..	30	6
94	SPENCER POINT..	On N. shore, at mouth of Great Village River.	45 23 30	63 37 0	F. white	C	35	11
95	LITTLE DYKE...	On western head at entrance to Folly River.	45 22 45	63 33 20	F. red	D, p..	25	6
96	MASSTOWN OR DEBERT.	On eastern head at entrance to Moss Creek.	45 22 45	63 29 0	F. red	D, p..	30	6
97	SALTER HEAD...	On shore of Basin of Mines.	45 20 10	63 32 10	F. red	D, p..	60	5
98	BURNTCOAT	Basin of Mines, N.W. extremity of head, S. shore.	45 18 40	63 48 30	F. white	C	75	13
99	WALTON HARBOUR.	E. side of mouth of La Tête River.	45 14 0	64 0 45	F. red	C	60	10
100	HORTON	On Bluff, W. side of Avon River, near its mouth.	45 6 30	64 13 20	F. white	C	100	15
101	WOLFVILLE	N.W. corner of Government wharf.	45 6 6	64 21 34	F. red	D, 7..	20	6
102	KINGSPORT	On Oak Point pier.....	45 9 35	64 21 30	F. white	D, 7..	27	10

BASIN OF MINES.

SCOTIA.

FUNDY—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, oblong, wood, square tower, surmounted by octagonal metal lantern rising from roof of dwelling. Fog-alarm building, white, with brown roof, wood.	45	Re-built 1870 Fog-alarm 1889	Steam horn gives blasts of 14 seconds, with intervals of 46 seconds.	Fog-alarm immediately E. of tower	85
White, square, wood, dwelling attached, almost hidden by trees.	53	1878			86
White, square, wood, with dwelling attached.	27	1884 mov'd 1888			87
Brown, wooden building.		1875	Whistle sounds for 6 seconds in every 30 seconds.		88
White, square, wood, with dwelling attached.	34	1886	Hand horn answers signals from vessels.		89
White, square, wood, iron lantern; dwelling attached.	32	1852	Hand horn answers signals from vessels.		90
Lantern on a mast	30	1882		Visible from all points of approach. Kept lit during fishing season.	92
Lantern on a mast	20	1882		Visible from all points of approach. Kept lit during fishing season.	93
In window of a building	20	1863		During navigation.	94
Lantern on a mast	20	1882		Visible from all points of approach. Kept lit during fishing season.	95
Lantern on a mast	20	1882		Visible from all points of approach. Kept lit during fishing season.	96
Lantern on a mast, with white shed at base.	20	1888		Visible from all points of approach.	97
White, square, with lantern on dwelling.	35	1859		Visible from all points of approach.	98
White, square, wood	20	1873			99
White, square, wood, dwelling attached.	33	1851 rebuilt 1883			100
White, square, wood	22	1902		Visible from all points of approach by water.	101
White, square, wood	23	1878 rebuilt 1891		Visible from all points of approach.	102

NOVA

BAY OF

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
104	BLACKROCK	S. shore.....	45 10 15	64 45 50	F. white.....	C.....	45	12
105	MARGARETVILLE....	On extremity of point, S. shore.	45 3 20	65 4 0	F. red.....	C.....	{ 70 } { 23 }	8
106	PORT GEORGE	On outer end of E. pier.	45 0 25	65 9 25	F. green.....	C.....	25	7
107	PORT WILLIAMS OR MARSHALL COVE.	S. shore, Bay of Fundy	44 56 53	65 15 56	Two F. white, 22 ft. apart vertically.	C.....	{ 92 } { 70 }	10
108	POINT PRIM OR DIGBY GUT.	S. point of entrance to Annapolis Basin.	44 41 30	65 47 10	F. white.....	C.....	76	13
109	VICTORIA BEACH...	On eastern side of Digby Gut.	44 40 38	65 45 10	F. white.....	D, 7..	52	12
110	ANAPOLIS RIVER. { DIGBY PIER....	At outer end of pier...	44 37 40	65 45 6	F. red.....	D, p..	38	6
111		SHAFFNER POINT. On N. side of Annapolis River.	44 42 40	65 37 12	F. white.....	D, 7..	55	8
112		ANNAPOLIS..... On water's edge of Engineer's Lot, N.E. of Government pier.	44 44 51	65 31 6	F. red.....	D, p..	30	7
114	BOARS HEAD.....	17 yards from edge of cliff, on W. side of N. entrance to Petit Passage.	44 24 10	66 13 3	Alt. red and white .1 minute.	C.....	70	14
115	NORTHWEST LEDGE BELL BUOY.	In 15 fathoms, 400 yds. N.N.W. $\frac{1}{2}$ W. from the N.W. rock.	44 19 15	66 24 30	.....	.....	.....	.....
116	GRAND PASSAGE....	N. point of Brier Island	44 17 14	66 20 36	F. red.....	D, 7..	62	8
117	BRIER ISLAND.....	On west point of Island	44 14 57	66 23 38	F. white.....	C.....	92	13
118	WESTPORT.....	Peters Island, entrance to Grand Passage.	44 15 27	66 20 21	Two F. white, 24 ft. apart horizontally.	C.....	40	10
120	SISSIBOO..	S. side of entrance to river.	44 26 25	66 1 00	F. white.....	C.....	36	8

SCOTIA—Continued.

FUNDY—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood..	35	1848	.....	Light in lantern on roof of dwelling, visible from all points of approach.	104
White and black horizontal bands, square, wood.	22	1859	.....	Visible from seaward from N. W. by W. $\frac{1}{4}$ W. through S. to E. by N. $\frac{1}{4}$ N.	105
White, square, wood..	21	1888	.....	Visible from all points seaward.	106
White, square, wood..	22	1859	.....	Upper light shown from metal lantern on top of tower; lower light in bow window at base, visible from seaward from E. by S. through S. to W.S.W. $\frac{1}{4}$ W.	107
Vertical red and white stripes, square, wood tower, with dwelling attached.	22	1817 Fog-alarm 1871	Steam-whistle sounds 8 seconds in each minute.	Whistle near edge of cliff, 225 feet north-eastwardly from lighthouse tower.	108
White, square, wood..	28	1901	.....	Visible from all points of approach by water. To serve as a guide through Digby Gut, and to small vessels seeking a landing at Victoria beach.	109
Lantern on pole, with white shed at base.	29	1887	.....	Visible from N.N.E. round through W. to S.S.W.	110
White, square, wood..	43	1885	.....	Indicates Goat Island Shoals.	111
White, square, wood..	28	1889	.....	Visible from all points seaward. After passing the black buoy off Marsh Point, vessels ascending may run directly for the light on an E. by N. $\frac{1}{4}$ N. course to the anchorage just below the old Government pier.	112
White, square, wood, lantern on roof of dwelling.	33	1864	.....	.....	114
Red and black vertical striped iron buoy, with "N. W. Ledge" in white on deck.	.....	1890	Bell rung by action of waves	From buoy Brier I. light bears S. $\frac{1}{2}$ W., $4\frac{1}{2}$ miles; N. point of Brier I., S.E. $\frac{1}{2}$ S., $3\frac{1}{2}$ miles.	115
White, square, wood; red octagonal iron lantern.	34	1901	.....	Visible from all points of approach by water. To indicate the N. entrance to Grand Passage.	116
White, octagonal, wood Fog-alarm building S. of tower.	55	1809 Fog-alarm 1873	Steam-whistle sounds three blasts of 4 seconds, with intervals of 4 seconds between them, in each minute.	.....	117
White, square, wood, lanterns rising from ends of dwelling.	15 each	1850	Hand-horn answers signals from vessels.	Visible from the northward between the bearings of S. by W. and S.S. W., and from the southward between the bearings of N.E. by E. and N.N.W. $\frac{1}{4}$ W.	118
White, square, wood..	33	1870	.....	.....	120

NOVA

BAY OF FUNDY AND

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
121	BELLIVEAU COVE.....	On outer end of E. pier.	44 24 20	66 3 10	F. green.....	D, p..	24	4
122	CHURCH POINT.....	E. side of St. Mary Bay Digby County.	44 19 55	66 7 35	F. red.....	C.....	36	10
123	METEGHAN RIVER....	At extreme end of breakwater.	44 13 10	66 8 42	F. Green.....	D, p..	23	6
125	CAPE ST. MARY.....	E. side of Bay.....	44 5 10	66 12 40	Alt. red and white, 30 seconds.	C.....	103	16
126	TRINITY BELL BUOY.	In 8 fathoms W. by N. $\frac{1}{2}$ N. 600 ft. from Trinity ledge.	43 59 35	66 18 30				
128	PORT MAITLAND....	Or Maitland, or Green Cove, on outer end of westerly breakwater.	43 59 5	66 9 30	F. Red.....	D, p..	26	6
129	LURCHER SHOAL WHISTLING BUOY.	In 13 fathoms $\frac{1}{2}$ mile W. of Shoal.	43 50	2 66 30 0				
130	CAPE FOURCHU WHISTLING BUOY.	In 22 fathoms 5 miles N. W. by W. from Cape Fourchu Light.	43 48 50	66 16 1				
131	CAT ROCK BELL BUOY.	In 12 fthoms, 3 cables S.S. W. from Cat Rock.	43 47 2	66 9 26				
133	YARMOUTH OR CAPE FOURCHU.	E. Cape, S. point ...	43 47 30	66 9 25	Gp. Rev. white, showing 3 flashes at intervals of 20 seconds, followed by an eclipse of 40 seconds. 3 flashes.... 40 sec. Eclipse.... 40 " Time of revolution. 80 "	C.....	117	18
134	BUNKER ISLAND.....	On end of reef, off S.W. point of Island, E. side of entrance to Yarmouth Harbour.	43 48 36	66 8 42	F. Red.....	C.....	31	10
135	YARMOUTH BELL BUOY.	In 10 fathoms off Yarmouth Sound.	43 44 0	66 10 47				
136	YARMOUTH FAIRWAY WHISTLING BUOY.	In 34 fathoms 10 miles S.W. by W. $\frac{1}{2}$ W. from Cape Fourchu Light.	43 40 16	66 18 55				

SCOTIA—Continued.

ATLANTIC COASTS.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood..	22	1889	.....	Visible from all points seaward.	121
White, square, wood, dwelling attached.	20	1874	.....	.....	122
Vertical red stripes on seaward side, lantern painted black.	21	1875	.....	For guiding vessels into river. Must be left on starboard hand and passed close aboard. Tide leaves breakwater one hour before low water.	123
White, octagonal, wood	43	1868	.....	.....	125
Red iron buoy, with "Trinity" in white, surmounted by a bell.	.....	1874	Bell rung by action of the waves.	From the buoy Cape St. Mary bears N.E. by E. 7 miles; Cape Fourchu S. by E. 13½ miles; Lurcher Shoal buoy S.W. by W. 12½ miles.	126
White, square, wood..	27	1884	.....	Kept up from 15th April to 31st December, each year.	128
Red and black horizontal bands with "Lurcher Shoal" in white. Iron buoy, with 10-inch whistle.	.....	1882	Whistle sounded by action of the waves.	Buoy lies 15 miles N.W. by W. ½ W. from Cape Fourchu light. From the buoy Trinity buoy bears N.E. by E., 12½ miles.	129
Red iron buoy with "Y'm'th N.W.F'y" in white letters, surmounted by 10-inch whistle.	.....	1894	Whistle sounded by action of the waves.	From the buoy Chegoggin Pt. bears E. by N. 4½ miles.	130
Black iron buoy surmounted by a bell, "Cat Rock" in white letters on deck.	.....	1897	Bell rung by action of the waves.	From the buoy Cape Fourchu Light bears N.N.E. and the outer tangent of West Cape N.N.W.	131
Vertical red and white stripes, octagonal, wooden tower; white, wooden dwelling near by.	59	1839 changed. 1892 Fog-alarm 1869	Whistle on W. side of cape sounds 10 seconds in every minute.	Life-boat station in Baker's Cove, just inside Hen and Chickens Shoal.	133
White, square, wood, on brown, circular, steel and concrete pier.	.....	1874	Bell gives one stroke every 15 seconds.	Visible from southward, between N.E., by N. and N. ¾ E. Also over Stanwood's Beach when bearing from S. ½ E., to S.E. ½ E., but cannot be run for on those bearings, only entrance to harbour being through Yarmouth Sound and round Cape East.	134
Red iron buoy with "Yarmouth F'w'y" in white letters on deck, surmounted by a bell.	.....	1890	Bell rings by the motion of the buoy on the waves.	From the buoy the "Roaring Bull" bears E.N.E., 1½ miles; and Cape Fourchu light N.E. by N., 3½ miles	135
Black and white striped buoy with "Y'm'th S.W.F'y" in white letters, surmounted by 10-inch whistle.	.....	1894	Whistle sounded by action of the waves.	From the buoy Green Island bears E. by S. 7½ miles; Gannet Rock, S.E. by E. 7½ miles.	136

NOVA

ATLANTIC

No.	Name.	Location	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
138	CANDLEBOX ISLAND.	N. entrance, Schooner Passage.	43 39 34	66 2 45	F. Red.....	D, 7..	56	8
139	PEASES ISLAND.....	On S. point, one of the Tusket Islands.	43 37 35	66 1 40	{ Alt. red and white, one minute, each colour visible 15 sec.; 45 sec. between flashes. A lower F. red light in window, 16 ft. below main light.	C..... C.....	56 40	12 4
140	PEASES LEDGE BELL BUOY.	In 9½ fathoms S.E. by E. 2 miles from Peases I. light.	43 37 2	65 59 0	.....	.....	.....	.....
142	SEAL ISLAND.....	S. point ½ mile inland..	43 23 34	66 0 52	F. White.....	D. 2..	98	18
143	BLONDE ROCK WHISTLING BUOY.	In 13 fathoms, ½ mile S. ¼ E. from the rock.	43 19 47	65 59 4	.....	.....	.....	.....
145	TUSKET RIVER.....	Big Fish Island, S.W. point.	43 42 10	65 57 10	Two F. white, 24 ft. apart horizontally.	C.....	50	12
146	ARGYLE	On S. point of Whitehead Island, Yarmouth County.	43 39 40	65 52 4	F. Red and white.	C.....	115	12
147	ABBOT HARBOUR....	On east side of harbour	43 39 25	65 49 36	F. white.....	D, p..	40	8
148	PUBNICO HARBOUR..	Beach Point, E. side of entrance, 120 yards from low water mark.	43 35 45	65 46 54	F. white.....	D, 7..	41	11
149	PUBNICO FAIRWAY WHISTLING BUOY.	In 15 fathoms, 6 miles S.W. by W., from Pubnico Harbour light.	43 31 6	65 52 5	.....	.....	.....	.....
150	BON PORTAGE BELL BUOY.	In 8 fathoms, 1½ miles S. 17° 15' W., from Bon Portage I. light.	43 25 45	65 44 38	.....	.....	.....	.....

SCOTIA—Continued.

COAST.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood, with dwelling attached. Iron lantern, red.	37	1893	Hand-horn answers signals from vessels.	Visible from all points seaward....	138
White, square, wood, with dwelling attached.	42	1879	Hand-horn answers signals from vessels.	Sea light, visible from all points of approach from southward; also through Schooner and Ellenwood Passages.	139
				Lower light marks channel between Old Man and Old Woman Rocks. Visible only between bearings W. by N. $\frac{1}{2}$ N. and N.W. by W.	
Alternate white and black vertical stripes with "Peases Id. Ey." in white letters on the deck.	...	1898	Bell rung by action of the waves.	Guides vessels seeking the southern entrance to Schooner or Ellenwood passage. From the buoy White Head Island bears E. $\frac{3}{4}$ N., $5\frac{1}{2}$ miles.	140
White, octagonal, wood surmounted by metal lantern with red roof.	60	1830 Fog-alarm 1870	Whistle sounds in each minute a blast of 5 seconds duration, and after an interval of 5 seconds another blast of 5 seconds.		142
Black iron buoy with "Blonde Rock" in white letters, surmounted by a 10-inch whistle.	.....	1882	Whistle sounds by action of waves.	From the buoy Seal Island light bears N. $\frac{1}{4}$ W.	143
White, square, wood ..	23	1864	.....	Visible from all points seaward; in bay windows in each gable of the dwelling house.	145
White, square, wood, with dwelling attached.	28	1874	.....	To guide into Argyle Harbour, shows red seaward, and white towards harbour.	146
Lantern on mast.....	28	1884	.....	.....	147
White, square, with dwelling attached. Wooden building surmounted by iron lantern.	40	1854 Im- prov'd 1889	Hand horn answers signals from vessels.	Open westward of St. Johns Island, bearing N. E. by N., clears the ledge; in making harbour from any other direction, the light must be brought to the northward of E. N.E. before it can be steered for to avoid shoal spot off St. Ann's Point.	148
Iron buoy, alternate black and white vertical stripes, with "Pubnico" in white and black letters, surmounted by a 10 inch whistle.	.....	1901	Whistle sounds by action of the waves.	From the buoy Whitehead I. light bears N. by E., $\frac{1}{2}$ E., $8\frac{1}{4}$ miles; Gull Ledge, N. $6\frac{1}{4}$ miles; and Pubnico Harbour light, N.E. by E., 6 miles.	149
Red iron buoy, with "Bon Passage" in white letters on deck.	.....	1901	Bell rung by the action of the waves.	The buoy is moored S. 85° $30'$ W., $4\frac{1}{2}$ miles, from West Head, Cape Sable I. light.	150

NOVA

ATLANTIC

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
151	BON PORTAGE ISLAND.	On S. point	43 27 14	65 44 44	Rev. red, one minute.	C	46	12
152	STODDART ISLAND...	On N.W. point of Island.	43 28 26	65 43 7	F. red.....	C	22	9
153	WOODS HARBOUR...	On Big Ledge, in harbour, Cockerwit Passage.	43 30 55	65 44 45	F. red.....	D, 7..	27	8
155	CAPE SABLE.....	On Cape.....	43 23 19	65 37 15	Rev. white 40 sec.; bright, 15 sec.; dark, 25 sec.	C	53	12
156	WEST HEAD, CAPE SABLE ISLAND.	On the Head	43 27 17	65 39 10	F. white.....	D, 7..	42	11
157	BARRINGTON EAST BAY LIGHTSHIP.	.....	43 31 5	65 34 25	Two, F. white and F. red, 21 feet apart vertically; red underneath.	D, p..	White 44 Red 23	12 6
159	BACCARO	On E. side of entrance to Barrington Bay.	43 26 54	65 28 12	F. red.....	C	49	10
160	BANTAM ROCKS WHISTLING BUOY.	$\frac{1}{2}$ mile S. W. of rocks, which lie $1\frac{1}{4}$ miles S. W. $\frac{1}{2}$ W. from Baccaro light.	43 25 38	65 29 8	.....	.....	.....	.....
162	BRAZIL ROCK BELL-BUOY.	In 21 fathoms $\frac{1}{2}$ mile S. 11° W. from the rock.	43 20 56	65 26 30	.....	.....	.....	.....
163	PAGE ISLAND.	On E. end of Island, entrance to harbour of Port Latour.	43 29 27	65 27 4	F. white.....	D, 7..	46	12
165	NEGRO ISLAND.....	On N. side	43 30 54	65 20 58	Alt. red and white one minute.	C ..	60	13
166	NORTHEAST HARBOUR.	Front range on E. side of harbour between Johns Point and Shingle Point.	43 32 44	65 23 34	F. white.....	C	34	11
167		Back light 850 feet N. W. from front one.	.....	.....	F. white.....	D, 7..	44	11

SCOTIA—Continued.

COAST—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood, with dwelling attached.	28	1874	Hand horn answers signals from vessels.	For guiding vessels into Barrington West Bay and Shag Harbour.	151
White, small, square tower.	21	1877	Hand horn answers signals from vessels.	To guide vessels into the anchorage of Stoddart Harbour and Shag Harbour Sound.	152
White, square, wood, on concrete pier, red octagonal iron lantern.	28	1900	Hand horn answers signals from vessels.	Visible all around the horizon.....	153
White, octagonal, wood	50	1861 Fog-alarm 1876	Steam whistle sounds a blast of 10 secs. in each minute.	Whistle on southern point of Cape, elevated about 40 feet above high water.	155
White, square, wood..	36	1888	Hand horn answers signals from vessels.	Visible from all points seaward....	156
Hull painted red, with word "Barrington" in white letters on both sides.	White 41 Red 20 above deck.	1875	Hand horn answers signals from vessels.	Moored in 6 fathoms, Wessels Ledge, S. W. by W. $\frac{1}{2}$ W., $\frac{3}{4}$ mile; Baccaro Light, S.S.E. $\frac{1}{2}$ E., $6\frac{1}{2}$ miles; Bantam Rocks, S. by E. $\frac{1}{4}$ E. $6\frac{1}{2}$ miles. To guide into Barrington Bay and through Barrington Passage.	157
White, with black ball seaward, square, wood.	35	1850 new lantern 1882	Hand horn answers signals from vessels.	.....	159
Red iron buoy with 10-inch whistle.	.....	1888	Whistle sounded by the motion of the waves.	.....	160
Black and red horizontal bands. Iron buoy surmounted by bell.	.....	1876	Bell rung by the motion of the waves.	From the buoy Baccaro Light bears N. 64° E. $6\frac{1}{2}$ miles; C. Sable Light N. 55° W., 8 miles.	162
White, with red iron lantern, square, wood, with kitchen attached	34	1890	Hand horn answers signals from vessels.	Visible from all points of approach.	163
White, octagonal, wood, with dwelling attached.	44	1872 re-built 1887	.....	Life-boat station at Blanche, between Negro Island and Baccaro Point.	165
White, square, wood..	34	1899		Entering Negro Harbour by E. entrance, the two lights in one lead in clear of all dangers. Entering by W. entrance the back light only is visible. Brought to bear N. $\frac{1}{4}$ E., it leads up from Shag Rock through mid-channel.	166
White, square, wood..	44	1899			167

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ATLANTIC

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
168	CAPE ROSEWAY.....	Near S.E. point of Mac-Nutt Island, Shelburne Harbour.	43 37 15	65 15 45	Two F. white, 55 feet apart vertically.	C ...	{ 120 17 } { 65 13 }	
170	SAND SPIT	80 yards from extremity at E. side of entrance to Shelburne Harbour.	43 41 25	65 19 28	F. red.....	C ...	47	10
172	RAGGED ISLAND HARBOUR.	Gull Rock	43 39 12	65 5 50	F. white.....	C ...	56	10
173	CARTER ISLAND.....	Ragged Island Harbour	43 42 15	65 6 00	F. red..	D, 7..	66	8
174	LOCKEPORT WHISTLING BUOY.	Off the approach to Ragged Island Harbour.	43 37 28	65 1 44				
175	LOCKEPORT FAIRWAY BELL BUOY.	In 12½ fathoms 1½ miles W. ½ N. from Gull Rock light, and 3½ miles N. ½ W. from Carter I. light.	43 39 30	65 4 0				
176	PORT HEBERT.....	On Shingle Point, E. side of harbour.	43 48 40	64 55 23	F. red.....	C ...	33	10
177	LITTLE HOPE SHOAL WHISTLING BUOY.	In 14 fathoms ½ mile S. from middle of shoal.	43 47 10	64 49 44				
178	LITTLE HOPE.....	Nearly on centre of island.	43 48 30	64 47 15	Gp. Rev. white, 3 flashes with intervals of 10 seconds followed by eclipse of 30 seconds. Revolution 50 seconds.	C ...	43	12
180	PORT MOUTON.....	N.E. point, Spectacle Island, Queens Co.	43 55 5	64 48 5		C ...	47	11
181	FORT POINT.....	Liverpool Bay, S. entrance.	44 2 35	64 42 20	F. red.....	C ...	30	7

SCOTIA—Continued.

COAST—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Black and white vertical stripes, octagonal, stone.	77	1788 re-paired 1858	Trumpet, established 1884, sounds a blast of 10 seconds' duration every two minutes.		168
White, square, wood, on pier.	44	1873 rebuilt 1880	Hand horn answers signals from vessels.		170
White, square, wood.	31	1853	Hand horn answers signals from vessels.		172
White, square, wood.	29	1872	Hand horn answers signals from vessels.		173
Red iron buoy with letter L in white, surmounted by 10-inch whistle.	.....	1888	Whistle sounded by the motion of the waves.	From the buoy Carter Island light bears N. by W. $\frac{1}{2}$ W. $5\frac{1}{2}$ miles, Gull Rock Light N.W. $\frac{1}{4}$ N. $3\frac{1}{2}$ miles, and a N.N.W. course leads about midway between the $4\frac{1}{2}$ fathom patch and the Blow breaker up to S. end of Cranberry Island.	174
Red and black horizontal bands, with "Lockeport Fy," in white letters on the deck.	.....	1898	Bell rung by action of the waves.	A N.N.W. course from the buoy leads clear of all dangers up to the southern end of Cranberry Island, $2\frac{1}{2}$ miles distant.	175
White, square, wood, with dwelling attached.	29	1872			176
Red iron conical buoy, with "Little Hope Shoal" in white on side, surmounted by a 10-inch whistle.	.....	1900	Whistle sounded by action of waves.	From the buoy Little Hope light bears E. by N. $\frac{1}{2}$ E., $2\frac{1}{2}$ miles; Black Point extremity, N.E. by N., $3\frac{1}{2}$ miles; Joli Point N. $\frac{1}{2}$ W., $2\frac{1}{2}$ miles.	177
White, square, wood, metallantern, red, on roof of dwelling.	30	1865 changed 1889	Hand horn answers signals from vessels.	Visible around horizon.....	178
White, square, wood, surmounted by red, octagonal lantern, white dwelling near by.	20	1873		For guiding vessels into harbour... Life-boat station on N.W. end of Port Mouton Island.	180
White, square, wood, with dwelling attached.	17	1855	Hand horn answers signals from vessels.	Left on port side when entering the harbour.	181

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ATLANTIC

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
182	BROOKLYN PIER.....	On inner end of break-water.	44 2 45	64 41 20	F. green.....	D, p.	30	4
184	LIVERPOOL WHISTLING BUOY.	In 20 fathoms in fairway off Liverpool.	44 0 20	64 36 55				
185	COFFIN ISLAND.....	S. point, Liverpool Bay	44 1 55	64 37 32	Rev. white, 2 min. Light 30 sec. Dark 90 "	C.....	65	16
187	PORT MEDWAY BELL BUOY.	In 14 fathoms $1\frac{1}{2}$ miles S.S.W. from breaker off approach to Port.	44 3 15	64 31 25				
188	MEDWAY HEAD.....	Port Medway, W. side of entrance.	44 6 10	64 32 15	F. white.....	C.....	44	10
189	PORT MEDWAY.....	On E. end of breakwater	44 7 58	64 34 20	F. red.....	D, 7..	31	6
190	LAHAVE BELL BUOY.	In 22 fms., 3 miles, S. by E. from Moser Island light.	44 11 30	64 16 30				
191	MOSER ISLAND.....	On Island, W. side of entrance to Lahave River.	44 14 15	64 18 50	F. red.....	C.....	55	8
193	LAHAVE.....	On Fort Point.....	44 17 16	64 20 55	F. red.....	C.....	48	8
195	WEST IRONBOUND ISLAND.	Near Cape Lahave, mouth of Lahave River.	44 13 42	64 16 20	Rev. white, 30 seconds.	C.....	72	13
196	LUNENBURG WHISTLING BUOY.	In 23 fms., $6\frac{1}{2}$ miles S.E. by S. $\frac{3}{4}$ S., from Battery Point light.	44 17 0	64 11 25				
197	BATTERY POINT.....	Entrance to Lunenburg Harbour.	44 21 45	64 17 35	F. red.....	C.....	81	11

SCOTIA—Continued.

COAST—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No
Lantern on a pole.....	25	Building 1878 mast 1889	.....	A red iron can buoy is moored off outer end of sunken pier, which must be left on starboard hand in entering Herring Cove.	182
Iron buoy painted white and black in vertical stripes, surmounted by 10-inch whistle.	.....	1883	Whistle sounded by action of waves.	From the buoy Coffin Island light bears N. $\frac{1}{2}$ E. $1\frac{1}{2}$ miles, Fort Point light N. W. $\frac{1}{2}$ N., and Western Head W. $\frac{3}{4}$ S. $2\frac{1}{2}$ miles. From buoy a course N.W. $\frac{3}{4}$ N. for 4 miles clears all danger to anchorage off Brooklyn pier.	184
Horizontal bands, red and white, eight in number, octagonal, wood.	50	1812	.....	.....	185
Alternate white and black vertical stripes, "Port Medway" on side.	.....	1888 ch'ged 1898	.....	From the buoy a N. $\frac{3}{4}$ E. course will lead clear of the S.W. breaker up through the channel to the iron can buoy off Neil Point, $4\frac{1}{2}$ miles distant.	187
White, with black squares on seaward sides, square, wood.	23	1851	.....	The light is shown from a dormer on the dwelling house.	188
White, square, wood..	33	1899	..	Visible from N.W. by W. $\frac{1}{2}$ W. through W. to S.S.E. In entering light is not opened until black can buoy marking extremity of Neil Point is reached.	189
Red iron buoy surmounted by bell.	.....	1886	Bell sounded by action of waves.	From the buoy, West Ironbound light bears N.N.E., $2\frac{1}{2}$ miles.	190
White, square, wood, lantern on roof of dwelling.	26	1868	Hand horn answers signals from vessels.	.....	191
White, square, wood, with dwelling attached.	35	1876	Hand horn answers signals from vessels.	.....	193
White, square, wood, with dwelling attached.	29	1855	.....	Near edge of cliff 40 feet high.....	195
Red and black horizontal bands. Iron buoy surmounted by 10-inch whistle.	.....	1891	Whistle sounded by action of waves.	From the buoy Cross Island light bears N.E. $\frac{3}{4}$ E., 2 miles; West Ironbound light, S.W. by W. $\frac{3}{4}$ W., $4\frac{1}{2}$ miles; Rose Point, N.W. $\frac{1}{2}$ W., $1\frac{1}{2}$ miles.	196
White, square tower on dwelling.	24	1864	Hand horn answers signals from vessels.		197

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ATLANTIC

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
198	CROSS ISLAND.....	E. point Lunenburg Bay	44 18 45	64 9 57	Gp. Rev. white, 3 flashes, 15 seconds apart, then an eclipse of 20 seconds, revolution in 1 minute.	C.....	100	15.
200	HOBSON ISLAND.....	Mahone Bay.....	44 24 55	64 13 46	F. red.....	D, 5..	68	8
201	WESTHAVER ISLAND.	Mahone Bay.....	44 26 15	64 20 2	F. white.....	D, 7..	54	12
202	QUAKER ISLAND.....	Off Chester.....	44 30 55	64 13 48	F. red.....	D, 7..	109	11
204	CHESTER, OR EAST IRONBOUND ISLAND	A little to eastward of centre of Island, in Mahone Bay.	44 26 24	64 4 50	F. white.....	C.....	150	16
205	GREEN ISLAND.....	Off St. Margaret' and Mahone Bays.	44 22 57	64 2 45	Alt. Red and white Red... 52 sec. Eclipse... 38 " White... 52 " Eclipse... 38 " Complete rev. 3 min	C.....	66	w 13 R 8
206	NORTHEAST SHOAL WHISTLING BUOY.	In 21 fathoms $1\frac{3}{10}$ miles E. by N. $\frac{1}{2}$ N. from the middle of N.E. Shoal.	44 25 54	64 0 2	.....	.....	.....	.....
207	HUBBARD COVE.....	On Green Point, W. side of entrance.	44 37 14	64 3 10	F. red.....	D, 7..	60	11
208	CROUCHER ISLAND...	In St. Margaret Bay..	44 38 24	63 57 20	F. white.....	D, 7..	90	15
209	INDIAN HARBOUR....	On S.E. extremity of Paddy Head Island.	44 31 20	63 56 37	F. white.....	D, p..	36	7
210	PEGGY POINT.....	E. side of entrance to St. Margaret Bay.	44 29 30	63 55 0	F. red.....	C.....	65	8
211	DOVER.....	On the S. end of Callaghan Island.	44 29 34	63 51 33	F. white.....	D, 7..	50	12

SCOTIA—Continued.

COAST—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Red, octagonal, wood ; polygonal iron lantern red.	56	1832	Steam-horn sounds 20 seconds every 1½ minutes.	Visible from all points of approach by water. Pilots resort here, and vessels may take refuge in case of necessity.	198
White, square, wood..	29	1872	.....	.....	200
White, square, wood. Iron lantern, red, with dwelling attached.	27	1882 changed 1895	.....	.....	201
White, square, wood, with dwelling attached.	35	1883	Hand horn answers signals from vessels.	To guide into Chester Basin.....	202
White, oblong, wood. Square wooden tower, surmounted by iron lantern rising from roof of dwelling.	46	1871	.....	Seen from all points of approach; the lantern alone is visible, building hidden by trees.	204
White, square, wood, with dwelling attached.	28	1874	.....	.....	205
Black iron buoy with "N. E. Shoal" in white letters.	..	1895	Whistle sounded by action of the waves.	Fairway buoy to indicate shoal. From the buoy a N.W. ¼ N. course leads into Mahone Bay and a N.E. by N. ¾ N. course leads into St. Margaret Bay clear of Horseshoe Ledge.	206
White, square, wood, dwelling attached.	42	1886	.....	.....	207
White, square, wood, dwelling attached.	40	1882	.....	.....	208
White, square, wood..	33	1901	.....	Visible from all points of approach by water. To guide small vessels into harbour through channel between southern extremity of Paddy Head Island and Wreck Island.	209
White, square, wood..	26	1868	.....	Lantern on dwelling.....	210
White, square, wood, surmounted by red iron lantern. Dwelling attached.	31	1892		Visible from all points seaward. To guide into Dover Harbour. Vessels running for it on a N.N.W. course will pass clear to W. of Shag Bay breakers and enter to E. of Fleming Island.	211

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ATLANTIC

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
212	BETTY ISLAND.....	On Brig Point, near Prospect.	44 26 22	63 45 54	Rev. red, 2 minutes	C....	75	14
213	TERENCE BAY.....	On Shipley Head, near Tenant Point.	44 27 40	63 42 10	F. red.....	D, p.	55	7
214	PENNANT WHISTLING BUOY.	In 18 fathoms off Pen- nant Point.	44 24 20	63 39 32				
215	SAMBRO HARB- BOUR.	On extremity of Bull Point, on S.W. side of entrance.	44 38 30	63 35 25	F. red.....	D, 7..	38	7
216	SAMBRO.....	Middle of Island.....	44 26 10	63 33 28	F. white.....	D, 2..	115	16
217	INNER SAMBRO ISLAND.	On western extremity..	44 27 14	63 35 20	F. white.....	D, p..	45	8
218	SISTERS BELL BUOY.	In 22 fathoms S.E. by E. $\frac{1}{4}$ mile from the Blind Sisters.	44 26 13	63 31 12				
219	SAMBRO AUTO- MATIC WHIST- LING BUOY.	In 25 fathoms near S. end of Sambro outer bank.	44 21 30	63 30 15				
220	CHEBUCTO HEAD	Light on summit of head whistle in front of and below light.	44 30 4	63 30 50	Rev. white, one minute.	C....	132	18
222	OUTER AUTOMA- TIC WHISTLING BUOY.	In 36 fathoms outside entrance.	44 28 25	63 22 10				

HALIFAX HARBOUR AND APPROACHES.

TIA—Continued.

COAST—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signals.	Remarks.	No.
White, with two horizontal red bands, square, wood, dwelling attached.	54	1875	.....	Coast light.....	212
Mast with white shed at base.	25	1885	.....	.....	213
Black iron buoy with "Pennant" in white letters surmounted by 10-inch whistle.	....	1899	Whistle sounded by action of waves.	From the buoy the extremity of Pennant Point bears N.E. $\frac{1}{4}$ N. $1\frac{3}{4}$ miles; Shipley Head pole light, N. $\frac{3}{4}$ W., $3\frac{3}{4}$ miles; Bull Rock, E. N.E. 2 miles, and Sambro light, E. $\frac{1}{4}$ N., $4\frac{1}{4}$ miles.	214
White, square, wood..	33	1899	.....	Visible from all points of approach by water. To guide small vessels to safe anchorage in harbour.	215
White, octagonal, wood	60	1758	Cotton powder signals exploded every 10 minutes.	Fog-signal derrick is erected on the seaward side of the lighthouse. Mariners cautioned against attempting to make Sambro in fog; signals maintained rather as warning to vessels that have lost their way.	216
Lantern on a white mast.	17	1900	.....	Fishing light, maintained only from 1st December to the 30th April.	217
Black iron buoy surmounted by a bell.	.....	1874	Bell rung by the action of the waves.	.....	218
Black and white vertical stripes, iron buoy, surmounted by a 10-inch whistle.	.....	1890	Whistle sounded by action of waves.	From this buoy Pennant Point bears N.W. by N. $\frac{1}{4}$ N., $7\frac{1}{2}$ miles; Sambro light N. $\frac{1}{4}$ W., $5\frac{1}{2}$ miles; Chebucto light, N. by E. $\frac{3}{4}$ E., $8\frac{1}{2}$ miles.	219
White, square, wood, with dwelling attached. Fog-whistle building red brick with slate roof.	22	1872 Fog-alarm 1891	Whistle 73 ft. above water, gives blasts of 10 seconds with intervals of 50 seconds.	.....	220
Black iron buoy, surmounted by a 10-inch whistle.		1878	Whistle sounded by action of waves.	From this buoy Sambro Island light bears W. $\frac{1}{4}$ N. $8\frac{1}{2}$ miles; Devil Island N. $\frac{1}{4}$ W. $7\frac{1}{2}$ miles; and Inner whistling buoy N.W. $\frac{1}{4}$ N. 6 miles.	222

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ATLANTIC

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
223	INNER AUTOMATIC WHISTLING BUOY.	In 20 fathoms N.E. $1\frac{2}{3}$ miles from Chebucto Head lighthouse.	44 31 40	63 30 2				
224	THRUMCAP BELL BUOY.	In 10 fathoms off S. extremity of shoal.	44 33 57	63 29 51				
225	HERRING COVE.	On the western head of entrance.	44 33 57	63 32 58	F. red.	D, p.	45	8
227	MAUGER BEACH.	Sherbrooke tower, E. side of entrance to Halifax Harbour.	44 36 5	63 31 40	F. white.	D, 5.	58	12
228	GEORGE ISLAND.	On W. Side of Island in Halifax Harbour.	44 38 30	63 33 25	Two F. white, 20 feet apart vertically. Both show seaward on S.; into Harbour on N. side. On W. side upper light only visible.	C....	{ 50 } { 30 }	3
230	CHEBUCTO HEAD	See No. 220 above.						
		On S. point of island.	44 34 50	63 27 15	F. white.	C....	59	13
231	DEVIL ISLAND...	175 yards W. $\frac{3}{4}$ S. from higher light.			F. white.	C....	52	12
232	JEDDORE ROCK.....	On summit of rock about 22 miles east of Halifax.	44 39 45	63 0 22	F. red.	C....	86	12

HALIFAX HARBOUR AND APPROACHES.

TIA—Continued.

COAST—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established	Fog-Signal.	Remarks.	No.
Red iron buoy, surmounted by a 10-inch whistle.	.....	1877	Whistle sounded by action of waves.	From the buoy Sandwich Point bears N. $\frac{1}{2}$ W., $3\frac{1}{2}$ miles; Devil Island West lighthouse N.E. $\frac{3}{4}$ E., 3 miles, $5\frac{1}{2}$ cables; and a N. course will lead to the westward of the 32-foot patch, and to the eastward of the Neverfail buoy, clear of every danger up to Point Pleasant buoy.	223
Red iron buoy, surmounted by a bell.	.....	1893	Bell rung by the action of the waves.		224
White, square, wood..	22	1886 changed 1894	.....	Lifeboat station in the cove.....	225
Stone, with red roof, circular, granite; red, octagonal, iron lantern. White wooden dwelling near tower.	48	1815 horn 1889	Steam-horn sounds blasts of 5 seconds at intervals of 25 seconds.	Horn comes out of seaward face of tower. When Sambro light bears W.S.W., this light should not be brought to the westward of north, which clears the Thrumcap Shoal. Passing Mauger Beach entering harbour keep the light on starboard bow.	227
Drab, square wood, fog-bell on W. side.	42	1876	Bell strikes 7 times a minute at equal intervals.	These lights open to westward of Mauger Beach, clear the westward of Thrumcap Shoal. These lights are obscured to the E. by high land of George I. Upper light should be visible 12 miles, but the two lights are not distinctly visible until nearing the entrance to the harbour. The lights which are comparatively near the sea level must not be confounded with two vertical lights of inferior power exhibited from a yard on Citadel hill flag-staff, about 240 feet above the sea.	228
White, octagonal, wood	53	1877	.....	Pilots are stationed here. The eastern light, open to southward of western light, clears to southward of Thrumcap Shoal.	230
White, octagonal, wood	45	1852		Lifeboat station at N.W. end of island.	231
White, square, wood, dwelling attached.	50	1881			232

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ATLANTIC

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
233	JEDDORE HARBOUR RANGE.	(On W. side of entrance to harbour, between West Head and Marsh Point.	44 42 46	63 0 30	F. white.....	C....	41	9
234		Backlight 850 feet, N. 8° E. from front.	.....	.....	F. white.....	C....	105	16
235	EGG ISLAND.....	Centre of island.....	44 39 49	62 51 30	Gp. Rev. white, 3 flashes, 15 seconds apart, then an eclipse of 30 seconds, revolution in 1 minute.	C....	80	15
236	EGG ISLAND WHISTLING BUOY.	In 37 fathoms S. 5 miles from Egg Island lighthouse.	44 35 20	62 49 5	.....	.....	.....	.....
238	WOLF POINT.....	N. E. point of Nicholson Island, W. side entrance to Ship Harbour.	44 44 54	62 45 4	F. white.....	D, 7..	87	15
239	POPE HARBOUR.....	On W. point of Harbour Island.	44 47 40	62 38 50	F. red.....	C....	45	9
241	SPRY BAY BELL BUOY	In 15 fathoms off entrance.	44 45 40	62 33 20	.....	.....	.....	.....
242	SHEET HARBOUR WHISTLING BUOY.	In 24 fathoms S. by W. $\frac{1}{2}$ W., $5\frac{1}{2}$ miles from lighthouse.	44 44 30	62 28 37	.....	.....	.....	.....
243	SHEET ROCK.....	Entrance to Sheet Harbour.	44 49 55	62 29 23	Rev. red, 40 seconds.	C....	75	10
244	SHEET HARBOUR PASSAGE.	In dormer window of James Wambold's house.	44 51 30	62 26 33	F. red.....	C....	42	5
245	BEAVER HARBOUR BELL BUOY.	Off harbour in 30 fathoms.	44 48 0	62 17 42	.....	.....	.....	.....
246	BEAVER ISLAND.....	S.E. part of East Beaver	44 49 34	62 20 10	Rev. white, 45 seconds.	C....	70	12

TIA—Continued.

COAST—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No
White, square, wood..	33	1901	.....	The two lights in one, bearing N. 8° E., lead into entrance of harbour. The red conical buoy at Bar Shoal shows where vessels should leave alignment and shape a course N. 45° E up the stretch leading to Marsh Point.	233
White, square, wood..	28	1901			234
Black and white vertical stripes on seaward side, octagonal wood.	45	1865	Hand horn answers signals from vessels.	Visible around horizon.....	235
Red iron buoy, surmounted by a 10-inch whistle.	.....	1893	Whistle sounded by action of waves.	From the buoy, Jeddore lighthouse bears N.W. $\frac{1}{2}$ N., 9 $\frac{1}{2}$ miles. The buoy is a leading or fairway buoy for vessels seeking the entrance to Halifax Harbour.	236
White, square, wood, with dwelling attached. Iron lantern red.	35	1895	.....	.....	238
White, square, wood, dwelling attached.	37	1877	.....	.....	239
Red iron buoy with "Spry Bay" in white letters on the deck.	....	1895	Bell rung by action of the waves.	Fairway buoy. From the buoy Taylor Hd. bears N. E. $\frac{1}{4}$ N. distant 1 $\frac{1}{2}$ miles, and Maloney Rock N. $\frac{3}{4}$ W. distant 2 miles.	241
Red and black vertical striped iron buoy.	.....	1885	Whistle sounded by action of waves.	.....	242
White, square, wood, with dwelling attached.	41	1879	.....	Light seen from N. W. $\frac{3}{4}$ W. round through N. to N. E. by E. $\frac{3}{4}$ E. Rock lies nearly in mid channel of harbour entrance, its western end partly awash, distant 350 yards from lighthouse.	243
White, square, wooden dwelling.	20	1887	.....	Visible from seaward between N. and N. by E. $\frac{1}{4}$ E.	244
Iron buoy, black and white vertical stripes, surmounted by bell.		1900	Bell rung by motion of buoy on waves.	From the buoy Beaver Island light bears N.W. by N. $\frac{3}{4}$ N., 2 $\frac{1}{2}$ miles; and William Shoal, N.W., $\frac{1}{2}$ mile.	245
White, with two black balls to seaward, S. S. W.	35	1846		On dwelling.....	246

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ATLANTIC

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
247	BEAVER HARBOUR...	On E. end of Beaver Point.	44 52 23	62 23 40	F. red	D, p..	40	6
248	LISCOMB FAIRWAY WHISTLING BUOY.	In 28 fathoms off Liscomb Island.	44 55	61 54 15	.....	.....	.....	.....
249	LISCOMB	On island.....	44 59 20	61 57 55	Alt. red and white 2 minutes	C	64	13
250	WEDGE ISLAND.....	Mouth St. Mary River.	45 0 35	61 52 23	Rev. red, 3 minutes. Shows 1 minute, eclipsed 2 minutes.	C	81	12
251	PORT BICKERTON....	Near western extremity of Barachois point.	45 5 30	61 42 4	F. white.....	D, p..	43	7

ATLANTIC COAST AND

252	ISAAC HARBOUR WHISTLING BUOY.	In 25 fathoms $3\frac{1}{2}$ miles S.W. by S. $\frac{1}{2}$ S. from Country Harbour light.	45 2 20	61 32 37	.....	.....	.....	.....
253	ISAAC HARBOUR....	On W. side of harbour, about $\frac{1}{2}$ mile S. from Holly Point.	45 10 0	61 39 12	Two F. white, 20 feet apart vertically.	C	80	9
254	COUNTRY HARBOUR.	On Green Island, Guysborough County.	45 6 8	61 32 30	F. white.....	C	51	12
255	TORBAY.....	On eastern point of Berry Head, W. side of entrance to Bay, Guysborough County.	45 11 37	61 18 35	F. red and white..	C	51	10
256		Front light on extremity of point on W. side of harbour.	45 14 43	61 19 54	F. white.....	C	28	3
257	CHARLO HARBOUR....	Back light 742 feet N.W. $\frac{1}{2}$ W. from front light.	.....	.....	F. white.....	C	51	3

TIA—Continued.

COAST—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Lantern on mast, with white shed at base.	25	1887			247
Iron buoy, alternate black and white vertical stripes, with "Liscomb" in white.		1899		Liscomb Light bears N. $\frac{3}{4}$ W. 5 miles; and Wedge Island Light N.E. $\frac{3}{4}$ N. 5 $\frac{1}{2}$ miles.	248
White, square, wood..	28	1872			249
White, square, wood, with dwelling attached.	44	1879	Hand horn answers signals from vessels.		250
White, square, wood..	23	1901		Visible from all points of approach by water.	251

APPROACHES TO CAPE BRETON.

Red iron buoy, with "Isaac Harbour" in white.		1891	Whistle sounds by action of waves.	From the buoy Country Harbour (or Green Island) light in line with Tom-cod Rock, bears N.E. by N. $\frac{3}{4}$ N., 3 $\frac{1}{2}$ miles; W. tangent of Barachois Head in line with Middle Ledge or South-easter, bears N. W. $\frac{3}{4}$ N., 7 $\frac{1}{2}$ miles. A N. by W. course will lead from buoy to Ragged Point, 9 miles.	252
White, square, wood, with dwelling attached.	20	1874	Hand horn answers signals from vessels.		253
White, square, wood, dwelling attached.	28	1873		Coast light and to guide vessels frequenting Country and Fisherman Harbours.	254
White, with vertical red stripes, wood. Top of lantern black.	36	1876		Shows red to seaward, white to northward into bay and towards Molasses Harbour.	255
White, square, wood..	23	1901		Lights visible in and over small arc on each side of line of range. In entering keep Cole harbour red range lights in one till alignment is intersected by that of Charlo harbour range lights; from that point the Charlo harbour range lights in one will lead in clear of reefs off Forsters Island.	256
White, square, wood..	23	1901			257

NOVA SCO

ATLANTIC COAST AND APPROACHES

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Lights.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
258	COLE HARBOUR....	North side of entrance to harbour, 65 feet from water's edge.	45 15 45	61 17 0	F. red.....	D 7..	40	8
259		650 feet N. 33° E. from front light.	.....	.....	F. red.....	C.....	107	10
260	THREE TOP ISLAND..	S.E. point of island, entrance to Whitehaven.	45 12 40	61 9 40	F. white.....	C.....	48	11
261	WHITEHEAD ISLAND.	S.W. extremity of island, Guysborough County.	45 12 0	61 8 15	Rev. white, 20 seconds, 10 seconds flash, 10 seconds eclipse.	C.....	55	11
262	WHITEHEAD WHISTLING BUOY.	In 30 fathoms, 2½ miles S. by W. from Whitehead island light-house.	45 9 35	61 7 18	.....	.....	.....	.....
263	CAPE BREAKER BELL BUOY.	In 14 fathoms, 4 cables E.S.E. from middle of shoal.	45 18 20	60 54 0	.....	.....	.....	.....
264	CRANBERRY ISLAND..	N. part of island, off Cape Canso.	45 19 45	60 55 25	Main light, F. white. Lower light F. white, 35 feet below main.	D. 3.. D. 7..	89 54	15 12
265	GRIMESHOAL WHISTLING BUOY.	In 20 fathoms, 1½ miles E.S.E. of shoal.	45 21 13	60 50 45	.....	.....	.....	.....
266	SABLE ISLAND. WEST END.....	2 miles eastwardly from extremity of west dry spit.	43 56 40	60 6 0	Gp. Rev. white, 3 flashes at intervals of ½ minute followed by eclipse of 1½ minutes.	C.....	118	16
267		5½ miles southwestwardly of extremity of northeast dry spit.	43 58 10	59 46 20	F. white.....	D. 2..	128	17
269	CANSO HARBOUR....	On Hart or Cutler Island.	45 20 47	60 59 5	F. red.....	C.....	42	12

TIA—Continued.

TO CAPE BRETON—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood.	33	1898	.....	After passing Berry Head, the lights in one lead into Cole Harbour to the westward and clear of Topsham ledge and Seal Rocks.	258
White, square, wood.	33	1898	.....	.....	259
White, square, wood, with dwelling attached.	32	1879	.....	To guide vessels into Whitehaven. To point out dangers on N. side of W. passage; light is obstructed when bearing to eastward of N.E. by E., visible from all other points, except when intercepted by high land of Whitehead Island.	260
White, pyramidal, wood, octagonal lantern.	35	1854	.....	Life-boat station on Denning Point, western entrance to Whitehead.	261
Iron buoy painted in alternate white and black vertical stripes, with "Whitehead" in black and white letters on the side, surmounted by a 10-inch whistle.	.....	1901	Whistle sounded by action of the waves.	To act as a fairway buoy for vessels proceeding along the coast, or seeking an entrance to Whitehaven. The course in to Whitehaven will be N. $\frac{1}{2}$ E. from the buoy; this will lead $2\frac{1}{2}$ cables to eastward of S.W. Bull rock.	262
Black iron buoy, with "C. Breaker" in white letters on the deck. Surmounted by a bell.	.....	1894	.....	To act as a fairway buoy for vessels making Canso Harbour from southward. From the buoy a N. W. by N. $\frac{1}{2}$ N. course will lead up to, and about $\frac{1}{2}$ a cable to eastward of, Man of War Rock, distant $2\frac{1}{2}$ miles.	263
Red and white horizontal bands, octagonal, rising above the roof of a white dwelling, with red roof, attached.	78	1815 re-built 1883 Fog alarm 1864	Steam-horn sounds a blast of 8 secs. in each minute.	Upper light visible all round, lower one does not show to vessels passing between it and coast.	264
Iron buoy surmounted by 10-inch whistle.	.....	1880	Whistle sounded by action of the waves.	.....	265
White, octagonal, wood, surmounted by an iron lantern with red roof, white wooden dwelling near by.	98	1873 moved 1888	.....	A dangerous submerged bar extends at least 12 miles northwestwardly beyond the west light, and another at least 14 miles northeastwardly beyond the east light. There are six relief stations on the Island connected by telephone and patrols, and three life saving stations.	266
Sides of octagonal wooden tower alternately white and brown, metal lantern.	86	1873	.....	.....	267
White, square, wood, dwelling attached.	28	1872	Hand horn answers signals from vessels.	.....	269

NOVA SCO

CAPE BRETON

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
270	CANSO HARBOUR FAIRWAY BELL BUOY.	Off N. entrance in 13 fathoms. $\frac{1}{2}$ miles N. 13° E. from Hart Island light.	45 21 36	60 59 23	.....	.....	.....	.....
271	QUEENSPORT.....	On Rook Island, Chedabucto Bay.	45 21 5	61 16 0	F. white.....	D. 7..	50	12
272	GUYSBOROUGH HARBOUR.	W. side of entrance, near Peart Point, Chedabucto Bay.	45 22 46	61 29 4	F. white.....	C.....	30	8
274	EDDY POINT.....	Or Sand Point, S. entrance of Gut of Canso.	45 31 30	61 14 40	F. white.....	D. 5..	55	12
275	POINT TUPPER..	Ship Harbour, or Port Hawkesbury.	45 36 30	61 22 0	F. red.....	C.....	54	8
278	CREIGHTON HEAD.	On the N. extremity...	45 30 40	61 6 0	Rev. white, 40 seconds.	C.....	29	10
	NORTH CANSO..	See below, No. 381.						
279	JERSEYMAN ISLAND.	Arichat Harbour.....	45 30 20	61 3 10	F. red.....	C.....	39	11
280	ARICHAT.....	Marache Point, S. entrance to Arichat Harbour.	45 29 0	61 1 50	F. white.....	C.....	34	8
281	PETITDEGRAT...	On Mouse Island, Petitdegrat Inlet.	45 29 54	60 57 24	F. red.....	C.....	38	10
283	GREEN ISLAND.	Summit of island.....	45 28 50	60 53 40	Alt. red and white, 45 seconds.	C.....	70	14
284	CAPE LA RONDE.	W. side of entrance to St. Peter Bay.	45 34 45	60 53 0	F. white.....	C.....	92	14
286	GRANDE DIGUE..	On beach, near wharf, Lennox Passage.	45 35 51	61 1 5	F. red.....	D. p..	30	5
287	SEAL OR DOG ISLAND.	Lennox Passage.....	45 35 31	61 4 0	F. red.....	D. p..	34	5
288	GLASGOW POINT.	Lennox Passage.....	45 34 0	61 7 50	F. red.....	D. 7..	65	8
289	POULAMON.....	On Hawk Islet, at entrance to Poulamon Bay.	45 35 48	60 59 29	F. white.....	D. 7..	34	7
290	OUETIQUE ISLAND	On S. point.....	45 36 40	60 57 15	F. red.....	C.....	78	9
291	JEROME POINT..	St. Peter Bay, near entrance to canal.	45 39 5	60 52 0	F. red.....	C.....	56	10
	EDDY POINT.....	See above, No. 274.						

TIA—Continued.

ISLAND.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Iron buoy, alternate black and white vertical stripes, surmounted by bell.	.....	1900	Bell rung by motion of buoy on waves.	To guide vessels into harbour through N. entrance.	270
White, square, wood, dwelling attached.	40	1882	Hand-horn answers signals from vessels.	Harbour light.	271
White, square, wood..	20	1846	.....	.....	272
White, with black diamond on seaward face. Square, wood, iron lantern painted red. Dwelling attached.	44	1851 changed 1895	Hand horn answers signals from vessels.	.....	274
White, square, wood, with dwelling attached.	34	1870	.....	.....	275
White, square, wood..	20	1874	.....	For guiding vessels into Little or West Arichat.	278
White, square, wood, with dwelling attached.	28	1872	Hand horn answers signals from vessels.	There is a range beacon on the S.E. point of Jerseyman Island that marks Hautfond Shoal, off entrance to harbour.	279
White, square, wood..	25	1851	Hand horn answers signals from vessels.	.....	280
White, square, wood, dwelling attached.	31	1877	.....	.....	281
White, square, wood, light in centre of keeper's dwelling.	31	1865	.....	Visible around horizon.	283
White, square, wood, dwelling attached.	28	1874	.....	To guide vessels into St. Peter Bay	284
Lantern on mast, with white shed at base.	25	1884	.....	.....	286
Lantern on mast, with white shed at base.	25	1884	.....	Marking the principal turning points in Lennox Passage.	287
White, square, wood, with dwelling attached. Iron lantern red.	32	1884 Tower 1896	.....	.....	288
Lantern rising from roof of white, square, wooden dwelling.	30	1901	.....	Visible from all points of approach by water. To guide into Poulamon Bay, and through Lennox Passage.	289
White, square, wood, dwelling attached.	28	1874	.....	To guide through Lennox Passage..	290
White, square, wood, dwelling attached.	40	1883	Hand horn answers signals from vessels.	To lead vessels up the bay to canal.	291

NOVA SCO

CAPE BRETON

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
293	ST. ESPRIT ISLAND.	E. end of Island.	45 36 30	60 29 10	Rev. white, 30 secs.	C	78	14
294	FOURCHÉ BELL BUOY	In 12½ fms. off Fourché Inlet, ½ mile S. from extremity of Fourché Head.	45 43 15	60 13 10				
295	GUION ISLAND.	About 230 yards from W. end of Island.	45 46 10	60 6 30	Rev. red, 30 secs.	C	74	12
296	GABARUS	On Harbour Point, S. shore of bay.	45 50 40	60 8 30	F. red	D, 7.	47	8
297		On outer end of the more easterly of the two long coal wharves.	45 55 12	59 57 53	F. red, electric.		43	5
298	COAL WHARVES RANGE.	Back light 2,060 ft., N. 33° 45' E. from front light.			F. red, electric.		85	5
299		Front range on W. side of harbour.	45 54 15	59 59 6	F. red.	D, 7.	26	7
300	LOUISBURG RANGE	Back range 1,330 feet N. 67° W. from front light.			F. red.	C	54	7
301	LOUISBURG.	N. side of entrance to harbour, 120 yards in-shore of point.	45 54 35	59 57 15	F. white.	C	85	16
302	LOUISBURG WHISTLING BUOY.	In 36 fms., 3 miles S.E. ½ S. from light.	45 52 43	59 53 44				
303	LOUISBURG BELL BUOY.	In 13 fathoms 1½ cables E. from centre of Harbour Shoal.	45 54 13	59 56 30				

TIA—Continued.

ISLAND—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, with two red bands, square, wood, with dwelling attached.	55	1880		Bad Neighbour Shoal, S. W. $\frac{3}{4}$ W. $1\frac{1}{2}$ miles from this light, with not more than 12 feet water.	293
Red iron buoy surmounted by bell.		1881		For benefit of fishermen.	294
White, square, wood, dwelling attached.	54	1877			295
White, hexagonal, wood, iron lantern red.	32	1890		Visible from all points of approach.	296
Lantern on a white pole.		1900		Visible from all points of approach by water. In northern portion of Louisburg Harbour. Maintained by Dominion Coal Company. The two lights in one, bearing N. E. by N., lead to wharves from intersection with Government Range. Deep-draught vessels entering should keep on alignment of Louisburg Range, W. N. W., till they have brought coal wharves range in one. Back light visible in line of range.	297
Lantern on a white pole.		1900			298
White, square, wood..	28	1897			299
White, square, wood..	28	1897		The two lights in one lead into the S. W. arm clear of all dangers.	300
White, with a black vertical stripe on each side of wooden dwelling, iron lantern on roof	35	1842	First order siren, operated by compressed air. The siren will give blasts of low and high notes alternately, thus: Low note $2\frac{1}{4}$ secs.; silent $2\frac{1}{2}$ secs.; high note $2\frac{1}{4}$ secs.; silent interval $11\frac{1}{2}$ secs.	The siren, established in 1902, is situated on edge of cliff, 400 feet S. 60° E. from lighthouse.	301
Red iron buoy, surmounted by 10 inch whistle.		1881	Whistle sounded by action of waves.	Vessels entering Louisburg can make the whistling buoy and then steer N. W. by N. $\frac{1}{2}$ N. for the light on lighthouse point. This will bring them to the bell buoy, which they should round leaving it on the port hand.	302
Black iron buoy with "Louisburg" in white letters on deck.		1895	Bell rung by action of the waves.	Fairway buoy. Light bears N.W. by N. $\frac{1}{2}$ N. $\frac{1}{4}$ mile. Leaving buoy $\frac{1}{4}$ cable on port hand a N.W. by W. course leads in one cable south of Nag Rock.	303

NOVA SCO

CAPE BRETON

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
305	LITTLE LOBBRAINE....	Extremity of W. head-land at entrance to harbour.	45 57 15	59 51 20	F. white.....	D, 7...	76	9
306	MAIN-À-DIEU.	On S. side of W. point of Scattarie Island.	46 0 30	59 47 30	F. red.....	C.....	90	10
307	SCATTARIE.....	N.E. point of Trap Rock.	46 2 15	59 40 15	Rev. white 1½ minutes; visible a minute, eclipse half a minute.	C.....	90	15
311	FLINT HEAD.....	On Island.....	46 11 0	59 45 55	Rev. white, 15 secs.	C.....	65	12
312	LINGAN HEAD.....	N. side of entrance to Bridgeport Harbour.	46 14 10	60 2 10	F. red.....	C.....	50	10
314	LOW POINT.....	Flat point, E. side of Spanish Bay.	46 16 20	60 7 16	F. white.....	C.....	70	14
316	SYDNEY BAR.....	On W. end of S.E. bar.	46 12 26	60 12 39	F. red.....	C.....	30	10
320	POINT ACONI....	On high cape, N. side of entrance to Little Bras d'Or.	46 19 30	60 17 10	F. red.....	C.....	91	11
321	BLACK ROCK POINT.	S. side of entrance to Big Bras d'Or.	46 18 30	60 23 20	F. white.....	C.....	45	12
For next coast lights see No. 351.								
323	CARRY POINT....	N. side of entrance to Great Bras d'Or.	46 17 45	60 25 0	F. red.....	D, p...	33	5
324	MCKENIL BEACH.	On N. side of Boularderie Island.	46 13 55	60 29 15	F. red.....	D, p...	33	8
325	MCKENZIE POINT	N. side of Great Bras d'Or, about 2 miles S.W. of Port Bevis.	46 7 15	60 39 0	F. white.....	C.....	95	15
327	KIDSTON ISLAND	On N.E. point, at entrance to Baddeck Harbour.	46 5 58	60 44 20	F. red.....	C.....	31	7
328	LITTLE NARROWS	At eastern entrance...	46 0 0	60 58 25	F. white.....	C.....	40	10
329	WHYCOCOMAGH..	On Fraser Point, N. side of Channel.	45 57 57	61 4 30	F. red.....	D, p...	31	7
331	GILLIS POINT.....	On W. side of entrance to Boulacett Harbour on northern side of Little Bras d'Or Lake	46 1 32	60 46 18	F. white.....	D, 7...	74	14

TIA—Continued.

ISLAND—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog Signal.	Remarks.	No.
White, octagonal, wood; red octagonal iron lantern.	32	1900	.....	Visible from all points of approach by water. Maintained only from 1st May to 1st December.	305
White, square, wood, dwelling attached.	40	1871	.....		306
White, octagonal, wood, roof of iron lantern red. White wooden dwelling with brown roof, W. of tower.	70	1839	Whistle sounds two blasts of 5 seconds with an interval of 10 seconds, in every minute.	The light should never be brought to bear to eastward of N.N.E., or to southward of S.S.W., nor approached nearer than $1\frac{1}{2}$ miles. Lifeboat station.	307
White, octagonal, wood dwelling near by.	43	1856	.....	Visible around horizon.....	311
White, square, wood...	20	1874	.....		312
Vertical red and white stripes, octagonal, wood.	51	1832	.....	Marine telegraph and signal station	314
White, square, wood, dwelling attached.	20	1872	.....	Roman Catholic Church near N.W. Bar, bears N.W. $\frac{1}{2}$ N. $1\frac{1}{2}$ miles, and that near Gillivray Point E. N.E. easterly.	316
White, square, wood, with dwelling attached.	20	1874	.....	For guiding vessels into Little Bras d'Or.	320
White cross on red ground, square, wood	23	1868	.....		321
Lantern on mast, with white shed at base.	25	1886	.....	To be replaced by tower.	323
Lantern on mast, with white shed at base.	25	1884	.....		324
White, square, wood, dwelling near by.	30	1874	.....		325
White, square, wood...	33	1875	.....		327
White, square, wood..	35	1881	.....		328
Lantern on mast, with white shed at base.	25	1884	.....		329
White, square, wood, dwelling attached, iron lantern red.	38	1895	.....	To guide vessels into Boulaceet Harbour.	331

NOVA SCO

CAPE BRETON

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water marks.	Miles seen in clear weather.
333	GRAND NARROWS BRIDGE.	On centre of swing of bridge joining the extremities of Uniacke and Kelly Points.	45 57 42	60 47 33	F. red, green and white.	D, p.	....	....
334	PIPER COVE.	On western bend of Derby Point, Grand Narrows.	45 56 30	60 47 46	F. red.	D, 7.	77	11
337	CAMPBELL ISLAND.	On eastern side of island, W. side of entrance to McKinnon Harbour.	45 54 46	60 55 54	F. white.	D, p.	30	10
339	CLARKE COVE.	On N. side of Cove, N. side of West Bay.	45 49 40	61 1 55	F. red.	D, p.	95	6
340	RED ISLANDS.	On McKenzie Point.	45 47 32	60 44 40	F. red.	D, 7.	47	8
341	CAPE GEORGE.	S. side of lake, W. side of entrance to St. Peter Inlet.	45 44 28	60 48 20	F. white.	C.	50	10
344	FREESTONE ISLET.	On Gregory Island.	45 42 50	60 47 50	F. red.	D, 7.	30	7
345	BEAVER ISLAND.	On S.E. point of island.	45 40 40	60 49 47	F. red.	D, p.	39	5
346	GOOSEBERRY ISLAND OR MARJORIES ISLE.	W. from Sandys Point.	45 40 7	60 51 1	F. red.	D, p.	31	5
	JEROME POINT.	See No. 291 above for lights south of canal.						
351	BIRD ISLAND.	Ciboux Island, $\frac{1}{2}$ mile from N. end.	46 23 10	60 22 30	Rev. red, 1 minute	C.	77	14
352	ST. ANN HARBOUR.	On S. point of beach.	46 17 45	60 32 25	F. white.	C.	41	8
354	INGONISH HARBOUR.	On beach S. side of entrance to harbour.	46 38 10	60 23 13	F. red.	D, 7.	45	8
355	INGONISH ISLAND.	On island.	46 41 20	60 20 10	F. white.	C.	237	20
357	NEIL HARBOUR.	On outer edge of head on E. side of entrance.	46 48 44	60 19 12	F. red.	D, 7.	73	8
359	CAPE NORTH.	$\frac{3}{4}$ mile S.E. from Money Point.	47 1 45	60 23 15	Alt. red and white 45 seconds.	C.	74	15

TIA—Continued.

ISLAND—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Lanterns over centre of superstructure. White light immediately over coloured ones.	.....	1889	.....	Lights show red up and down channel when swing is closed, green when open. White light always shows.	333
White, square, wood..	38	1884	.....	Maintained by railway.	334
Lantern on a mast with white shed at base, and cabin 30 feet distant.	24	1889	.....	Visible from all points of approach.	337
Lantern on a mast	20	1890	.....	A N.W. course will lead into cove clear of the three shoals lying S. of George Island.	339
White, square, wood. Iron lantern red.	37	1895	.....	.....	340
White, square, wood, with dwelling attached.	20	1875	Hand horn answers signals from vessels.	To guide vessels through St. Peter Inlet.	341
White, square, wood..	33	1884 ch'ged 1898	.....	.....	344
Lantern on mast, with white shed at base.	25	1884	.....	.....	345
Lantern on mast, with white shed at base.	25	1884	.....	.....	346
White, octagonal, wood, dwelling near by.	33	1863	.....	.....	351
White, square, wood..	38	1871 rebuilt 1881	.....	To mark entrance to harbour	352
White, square, wood..	38	1887	.....	To mark entrance to harbour	354
White, square, wood, rising from roof of dwelling.	40	1871	.....	.....	355
White, square, wood, red octagonal iron lantern.	34	1899	.....	Visible from all points of approach by water.	357
White, square, wood, square tower, surmounted by iron lantern rising from roof of dwelling.	26	1876	.....	Coast light.	359

NOVA SCO

GULF OF ST.

No.	Name.	Location	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
360	CAPE ST. LAWRENCE.	On the Cape.	47 2 55	60 35 10	Two F. white, 42 feet apart vertically.	D, 3.	137	17
	For St. Paul Island	See No. 652.				D, 7.	95	15
362	CAVEAU POINT.	Extremity of point, entrance to Eastern harbour, Cheticamp.	46 39 20	60 59 50	F. white.	D, p.	52	8
363		Back range, 740 feet S. 50° E. from front light.			F. white.	C	97	8
364	CHETICAMP HARBOUR.	Front range, in Eastern Harbour, 60 feet back from water.	46 38 15	61 0 25	F. red.	C	45	8
365		Back range, 990 feet S. by W. $\frac{3}{4}$ W. from front light.			F. white.	C	62	13
366	CHETICAMP	Near S. end of Island. .	46 36 20	61 3 10	Rev. white, 45 seconds.	C	149	18
367	GRAND ETANG	Near outer end of break-water on southern side of channel.	46 33 25	61 2 25	F. red	D, 7.	24	6
368	MARGAREE HARBOUR.	On west side of mouth of Margaree River.	46 26 25	61 6 40	F. red	C	75	10
369		Back range 215 feet S. by W. from front.			F. red	C	105	10
370	MARGAREE.	Summit or middle of Sea Wolf Island.	46 21 30	61 15 30	F. white.	C	298	21
373	MABOU.	On outer end of break-water, on S. W. side of dredged channel.	46 5 30	61 28 10	F. white.	D, p.	25	9
374		On shore at McFayden's wharf about 3,000 feet from front light.			F. red.	D, p.	30	7

TIA—Continued.

LAWRENCE.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, with iron lantern red, square, wood, with dwelling attached.	56	1889	.....	Upper light in lantern visible over an arc of $191\frac{1}{2}^{\circ}$ between W. $\frac{1}{2}$ N. through S. to E. $\frac{1}{2}$ N.	360
.....	.....	.....	.....	Lower light in bay window on lower floor visible over $185\frac{1}{2}^{\circ}$ between W. $\frac{1}{4}$ N. through S. to E. $\frac{1}{4}$ N.	.....
White, square, wood ..	27	1897	.....	} Should be kept in one till the Eastern harbour lights are brought into line.	362
White, square, wood ..	27	1897	.....		363
White, square, wood. Lantern red.	30	1890 changed 1894	.....	} These two lights, in range, lead in S. by W. $\frac{3}{4}$ W. through the dredged channel, which is marked by spar buoys on both sides, to anchorage in Eastern Harbour.	364
White, square, wood. Lantern red.	38	1890 changed 1894	.....		365
White, wood, square tower, surmounted by red iron lantern, with dwelling attached.	36	1872 rebuilt 1896	.....	.....	366
White, square, wood ..	23	1901	.....	Visible from all points seawards ...	367
White, square, wood ..	22	1900	.....	} Lights visible in and over a small arc on each side of line of range. The lights in one bearing S. by W. lead into harbour at the mouth of Margaree River, clear of breakwater, on S. W. side of the mouth.	368
White, square, wood ..	33	1900	.....		369
White, square, wood, with dwelling attached.	40	1854	.....	To vessels in dangerous proximity to the Island the light may become obscured by the abrupt cliffs of the Island.	370
Mast, with white shed at base.	20	1884	.....	} The two, in range, lead through the dredged channel up to breakwater.	373
Mast, with white shed at base.	20	1884	.....		374

NOVA SCO

GULF OF ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
376	PORT HOOD.....	S.E. side of entrance to harbour	46 0 0	61 31 25	F. red and white..	C....	55	10
*For Prince Edward Island Lights on opposite shore see 424 and following numbers.								
381	NORTH CANSO	N. entrance, W. side, 120 yards inshore.	45 41 50	61 29 0	F. white.....	C....	110	16
382	HARBOUR AU BOUCHE.	On S.W. shore of harbour.	45 41 0	61 31 15	F. white.....	C....	36	9
383		473 yards S.W. $\frac{3}{4}$ S. from front light.	.....	.....	F. red.....	C....	107	9
385	POMQUET ISLAND OR BAYFIELD.	N.E. end of Island, in St. George Bay.	45 39 40	61 44 30	F. red	C....	50	9
387	CAPE GEORGE.....	On Cape, 1,434 feet N. 59° W. from Eachren Point and 832 feet S. 25° W. from shore.	45 52 40	61 53 30	Rev. white, 30 seconds.	C....	350	25
388	ARISAIG.....	Northern extremity of point, 130 feet from end.	45 45 53	62 10 5	F. red.....	D....	40	7
391	PICTOU ISLAND.....	S.E. point	45 49 10	62 30 30	F. white.....	C....	52	12
392	PICTOU BAR.....	S. point of entrance to harbour.	45 41 30	62 39 30	Two F., upper white, lower red.	C....	65	11
393	FRASERS FARM....	Front range 600 feet back from shore, on N. side of entrance to Pictou Harbour.	45 41 50	62 40 15	F. red.....	C....	66	8
394		Back range 384 feet N.W. by W. $\frac{1}{4}$ W. from front.	.....	.....	F. red.....	C....	78	8
395	PICTOU CUSTOM HOUSE.	In tower of Custom House.	45 41 0	62 42 0	F. white	C....	60	8

TIA—Continued.

LAWRENCE.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood, with dwelling attached.	33	1854	.....	Red over 63° between S. $\frac{1}{4}$ W. and S.E. by E. $\frac{1}{4}$ E., and white over 95° between latter and N.E. by N. $\frac{1}{4}$ N.	376
White, square, wood, lantern on dwelling.	35	1842	.....	There is a good anchorage under the light when the wind is off shore. Light obscured S. of bearing S.E. $\frac{3}{4}$ S. By keeping light open Jack Shoal will be given berth of over a mile.	381
White, square, wood..	32	1879	.....	} Range lights, to lead through dredged channel over the bar.	382
White, square, wood..	32	1842	.....		383
White, square, wood..	23	1868	.....	Obscured on easterly bearings...	385
White, square, wood..	39	1861	.....	.....	387
White, square, wood..	30	1898	.....	.....	388
White, square, wood..	32	1853	.....	Lifeboat station about $\frac{1}{4}$ mile E. of light.	391
Striped red and white vertically, octagonal, wood.	56	1834	.....	A small red light is seen below lantern; by keeping light W.S.W. vessels clear the E. reefs of Pictou Island.	392
White, square, wood..	30	1889 Tower 1896	.....	The four Pictou lights are maintained throughout the season of general navigation and in winter whenever any steamer may be running into Pictou Harbour.	393
White, square, wood..	38	1889 Tower 1896	.....	Vessels entering keep the Pictou Bar and Custom House lights in one, W. $\frac{1}{4}$ N., until reaching the alignment of the Frasers Farm range, which they should keep N.W. by W. $\frac{1}{4}$ W. until the bar light is nearly abeam, whence a W. $\frac{1}{4}$ S. course will lead to safe anchorage in the harbour.	394
Red brick building....	72	1878	.....	.....	395

NOVA SCO

GULF OF ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
397	CARIBOU ISLAND....	N.E. part of Island....	45 46 15	62 40 20	Rev. white, every minute.	C....	35	10
399	AMET ISLAND.....	Centre of Island, Northumberland strait.	45 50 15	63 10 20	F. white.....	C....	44	10
400	MULLINS POINT... {	N. side of entrance to Wallace Harbour.	45 49 45	63 25 5	F. white... ..	C....	39	11
401		1,473 feet N.W. $\frac{3}{4}$ W. from front light.	.....	.....	F. red.....	C....	82	8
403	PUGWASH.....	In harbour.....	45 52 30	63 40 20	F. red and white..	C....	48	8
404	COLD SPRING HEAD.	100 feet back from shore on N. side of Head.	45 58 5	63 51 50	F. white.....	D, 7..	60	13

For following Lights on New Brunswick shore, see No. 511 ; for P.E.I. lights opposite, see No. 424.

TIA—*Concluded.*

LAWRENCE.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood...	26	1868	.....	.....	397
White, square, wood, lantern on roof of dwelling.	26	1886	.....	Visible around horizon.....	399
White, square, wood...	25	1873	.....	} Two lights in one form a range to lead across bar and in channel up to point.	400
White, square, wood, dwelling attached.	48	1894	.....		401
White, square, wood.	44	1871	.....	Shows a white light towards har- bour, red seaward.	403
White, with iron lan- tern red, square, wood.	36	1890	.....	.....	404

PRINCE ED

STRAIT OF NORTH

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
408	EAST POINT.....	200 feet from extremity and 250 feet from S. shore of point.	46 27 10	61 58 10	Rev. white, 3 minutes.	C....	100	15
409	SOURIS EAST.....	Knights point, 300 feet S.E. of breakwater.	46 20 50	62 14 30	F. white.....	D, 4..	85	15
410	SOURIS EAST BREAK-WATER.	On block at outer end of breakwater.	46 20 50	62 15 0	F. red.....	D p..	40	2
412	ANNANDALE.....	In village 220 feet north from shore of river and 312 feet N. 70° E. from head of public wharf.	46 15 55	62 25 0	F. white.....	C....	78	10
413		Back light on E. side of Juniper Point N. W. by N. 4,244 feet from front one.	.....	.....	F. white.....	C....	78	14
415	CARDIGAN RIVER. .	Between Ferry Wharf and Morrison beach W. shore of river.	46 12 50	62 31 45	F. green to seaward, white across river to NE'ward.	C....	43	8
416	PANMURE HEAD.....	S.E. extremity of Cardigan Bay.	46 9 0	62 27 35	F. white.....	D, 4..	96	16
417	GEORGETOWN.....	On St. Andrews Point, S.W. side of entrance	46 9 57	62 31 30	F. red seaward, white across harbour, between N.E. and N.W.	C....	50	8
418		On Westaway's farm 2,025 feet N. 57° W. from front light.	.....	.....	F. white.....	C....	62	12

WARD ISLAND.

UMBERLAND SIDE.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, octagonal, wood drab fog-alarm building in front of tower, white dwelling near by.	60	1867 mov'd 1885	Steam horn gives a blast of 8 seconds every $\frac{1}{2}$ minute.	Visible from S.E. by S. through W. to E. by N. $\frac{1}{4}$ N. Fog-alarm building stands 100 feet eastward of lighthouse, and in line with tower roughly indicates range of outer point of reef.	408
White, square, wood, with dwelling attached.	45	1880	.....	Visible from all points seaward	409
Lantern on mast with white shed at base.	34	1889	.....	Should be visible from all points seaward and in the harbour, except over the anchorage where it is intercepted by the mast.	410
White, square, wood; slatted beacon on top, with white diamond, remainder of face of beacon red.	13	1898	.....	In entering river keep range lights in one until day beacon is on starboard bow. With an on-shore breeze strangers should not attempt to enter. "	412
White, square, open frame, slatted face.	65	1898 mov'd 1901	.....		413
White, square, wood..	32	1883	.....	In entering river vessels should stand northward inside Boughton Island until Panmure Island Light bears S. by W. and Cardigan River Light N.W. when they can stand in, keeping light open on port bow. When white light is opened safe anchorage has been reached.	415
White, octagonal, wood, dwelling near by.	50	1853	.....	This light should be kept open off Terras Point, to clear reef off Cape Bear. Maintained all the year round.	416
White, square, wood, red lantern rising from roof of dwelling.	34	1868	.....	Shows red seaward, white across harbour, between bearings of N.E. and N.W. Maintained all the year round.	417
White, square, wood..	46	1877 re- built 1890	.....	The two in range lead in N. 57° W. in best water between Cardigan shoal and Panmure shoal.	418

PRINCE EDWARD

STRAIT OF NORTNUM

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
420	MURRAY HARBOUR	On Beach Point, S. side of harbour.	46 1 28	62 28 30	F. white	C	33	8
421		On mainland, about a mile W. by S. from front light.			F. white	C	57	10
424	CAPE BEAR	On the headland	46 0 45	62 27 15	Rev. red, 30 sec. onds.	C	74	12
426	WOOD ISLAND	Off S. point	45 57 22	62 44 10	F. white	D, 4	80	15
427	INDIAN ROCKS WHISTLING BUOY.	In 10 fathoms, south westward of rocks.	45 54 50	62 49 20				
429	POINT PRIM	S.E. extremity of Hillsborough Bay, 100 yards from the point.	46 3 10	63 2 0	F. white	C	68	12
432	ORWELL. DOUSE POINT RANGE. BRUSH WHARF RANGE.	On Douse Point north of Muttock Pt.	46 8 45	62 52 55	F. red	C	16	6
433		1,315 feet N.E. by E. $\frac{1}{2}$ E. from front light.			F. red	C	28	6
434		On W. side of Brush Wharf.			F. green	C	18	2
435		474 ft. E. $\frac{3}{4}$ S. from front light.			F. green	C	27	2
437	FITZROY ROCK BELL BUOY.	In $4\frac{1}{2}$ fathoms, west of shoalest part.	46 7 17	63 6 8				
438	HASZARD POINT	Front range, on the point, Bellevue farm, 35 ft. back from shore, E. side of entrance to Charlottetown Harbour.	46 11 50	63 4 5	F. white	C	45	12
439		Back range, in rear of Bellevue farm buildings, 2,244 feet N.E. $\frac{1}{4}$ N. from front light.			F. white	C	125	17
440	BLOCKHOUSE POINT	At W. side of entrance to Charlottetown Harbour.	46 11 36	63 7 28	F. white	C	56	12

ISLAND—Continued.

BERLAND SIDE—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood..	30	1869 re-built 1879	.....	In one, these range lights show the channel to the outer buoy.	420
White, square, wood..	40		.....		421
White, square, wood, with dwelling attached.	46	1881	.....	Maintained all the year round	424
White, square, wood, with dwelling attached.	40	1876	.....		426
Red iron buoy surmounted by a 10-inch whistle.	...	1890	Whistle sounded by the action of the waves.	From the buoy, Point Prim Light bears N. 23° W. and Wood Island Light N. 77° E.	427
White, circular, brick, covered with shingles, white dwelling near by.	55	1846	.....	Bell buoy on E. side of channel, black buoy on W. side 2½ miles N. by E. ¾ E. from bell buoy harbourward.	429
White, square, wood..	16	1898	.....	To enter Orwell River bring Douse Point lights in one N. E. by E. ½ E. until black beacon and clump of spruce bushes on China Point shoal are abeam on the port hand. Then change course to N. by E. ½ E. until the red beacon on Douse Point shoal is reached and the Brush wharf range lights are brought in one. The red beacon is left on the starboard hand at the turn.	432
White, square, wood..	22	1898	.....		433
White, square, wood..	15	1879 mov'd 1898	.....		434
White, square, wood..	15	1898	.....		435
Red iron buoy surmounted by bell.	.....	1875	Bell rung by action of waves	This buoy is 4½ miles N.N.E. from Point Prim can buoy. Removed between 10th and 18th Nov. each year and replaced as soon as ice allows in the spring.	437
White, square, wood, with brown galvanized iron lantern.	47	1889	.....	Maintained during general navigation and whenever winter steamer is running to Charlottetown. Lights visible over a small arc on each side of alignment.	438
White, square, wood, with brown galvanized iron lantern.	47	1889	.....	Alignment can be taken off Point Prim and followed in N.E. ¼ N. with nowhere less than 5 fathoms passing W. of Fitzroy Rock Bell buoy and E. of St. Peter Spit Buoy until Brighton Beach range lights are brought in one.	439
White, square, wood, with dwelling attached.	42	1851 re-built 1879	.....		440

PRINCE EDWARD

STRAIT OF NORTHUM

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
441	BRIGHTON BEACH.	Front range on N.W. extremity of property of late Hon. G. W. Howlan, E. side of N. river.	46 14 56	63 8 20	F. red.....	C.....	41	7
442		Back range, on old Asylum grounds, 1,275 feet N. from front.	.....	.....	F. red.....	C.....	72	9
444	ST. PETERS ISLAND..	On S. side of island, Hillsborough Bay.	46 7 20	63 11 35	Occ. white, vis., 30 sec., eclipsed 6 secs.	D, 6..	70	14
446	LEARDS RANGE	West end of bridge, at head of harbour.	46 13 15	63 29 10	F. white.....	C.....	41	6
447		Inner range light, about $\frac{1}{2}$ mile N. from outer one.	.....	.....	F. white.....	C.....	95	8
448		On S. side of Pauls Bluff, W. of dredged cut from anchorage to wharves.	46 12 28	63 29 42	F. red.....	C.....	30	3
449		On Wrights farm, $3\frac{1}{2}$ cables N. W. $\frac{1}{4}$ N. from front light.	.....	.....	F. red.....	C.....	50	3
450	PALMERS WHARF	On wharf.....	.....	.....	F. red.....	C.....	20	2
452	TRYON SHOAL WHISTLING BUOY.	In $5\frac{1}{2}$ fathoms off south extremity.	46 8 55	63 31 48	.....	.....	.....	.....
454	SEA COW HEAD.....	On the outer extremity of the low flat point.	46 19 19	63 48 25	F. white.....	C.....	88	15
455	INDIAN POINT.....	East edge of shoal, on S. side of channel, in Bedeque Bay.	46 22 50	63 48 45	F. white with green sector.	C...	48	13

ISLAND—Continued.

BERLAND SIDE—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, skeleton tower, with slatted face, red iron lantern and red diamond on side facing channel.	40	1890		Maintained during navigation and whenever winter steamer is running to Charlottetown. Lights visible over a small arc on each side of alignment.	441
White, square, wood, with red diamond on side facing alignment.	45	1890 reb't 1900		Alignment to be taken where it intersects Haszard point alignment about $\frac{1}{2}$ mile S. of St. Peter Spit Buoy, and followed due North to Canseau Point, whence the course up the harbour can be judged by the town lights.	442
White, square, wood..	38	1881 mov'd 1884		Visible from all points of approach except where obstructed by the high ground of St. Peters Island.	444
White, with red diamond on side facing channel, square, wood	38	Tower built 1879		Light visible from all points of approach.	446
White, square, wood, open-framed tower; slatted on side facing line of range.	46	1878 mov'd 1901		To enter Crapaud Harbour from the Strait of Northumberland, vessels should bring the Leads range lights into alignment and keep them in one on a N. course until the lights of Wrights range are in alignment when they should follow this range N.W. $\frac{1}{2}$ N. until the red light on Palmers Wharf is in alignment with the front light of Leads range.	447
Lantern on a mast rising from a square shed, painted white, surmounted by triangular slatted beacon.	11	1894		These two in one will lead in from the black buoy at the entrance to the dredged cut, through the cut, to the wharves, N.N.E., but strangers entering at night are advised to anchor in the road at this last described turning point near the black buoy, as they will be in good anchorage inside the shelter of Tryon Shoals, while it is not safe to attempt the dredged cut at night.	448
White, square, open-framed tower, slatted on side facing line of range. Lantern red.	27	1894			449
Lantern on mast.....	18	1894			450
Brown iron buoy with "Tryon shoal buoy" in white, surmounted by 10-inch whistle.	.....	1892	Whistle sounded by action of the waves.	Left to starboard going up strait to North Westward. From the buoy Crapaud Chapel N.E. $\frac{1}{2}$ E., $5\frac{1}{2}$ miles, just open of range light on point and Carleton Point N.N.W. $\frac{1}{2}$ W., $9\frac{3}{4}$ miles just open of C. Traverse.	452
White, octagonal, wood, white dwelling near by.	60	1863			454
White, octagonal, wood, on a circular stone pier.	42	1881		Green between E. by N. $\frac{1}{2}$ N. and E. S. E. over Miscouche Shoals only.	455

PRINCE EDWARD

STRAIT OF NORTHUM

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
456	SUMMERSIDE	Railway wharf, Bede-que Bay.	46 23 30	63 47 6	F. red in line of range, white in harbour.	C	33	10
457		Back range $\frac{3}{4}$ mile E. $\frac{1}{4}$ S. from front light.	46 23 45	63 46 13	F. red.....	C	65	8
459	CAPE EGMONT.....	On point.....	46 24 20	64 7 45	F. red.....	C	72	10
460	WEST POINT.....	On Sand Beach.....	46 37 30	64 23 20	Rev. red and white 22 $\frac{1}{2}$ secs. One red and three white flashes in 1 $\frac{1}{2}$ minutes.	C	66	13
461	WEST POINT WHISTLING BUOY.	In 13 fathoms, $\frac{3}{4}$ mile W. of middle of outer shoal.	46 40 30	64 30 25	.....	.....	.....	.....
463	MIMINEGASH	On outer end of S. breakwater, at entrance to pond.	46 53 10	64 14 0	F. red and white..	C ...	17	6
464		On cribwork block on beach of pond, 720 ft. S. 11° W. from front light.	.....	.....	F. white.....	C	28	10
466	NORTH POINT.....	On point	47 3 46	63 59 10	Rev. white one minute.	C ...	80	14

NORTH-EAST COAST OR GULF

	EAST POINT.....	See above, No. 408.						
469	ST. PETERS.....	40 feet from outer end of breakwater.	46 26 40	62 44 50	F. white.....	C	34	6
470		On sand beach, 1458 feet S. by W. from front light.	.....	.....	F. white.....	C	32	6
472	SAVAGE HARBOUR. }	On McEachrens farm, on inner shore of harbour.	46 25 40	62 48 30	F. white.....	C	22	5
473		330 feet S. $\frac{1}{2}$ E. from outer light.	.....	.....	F. white.....	C	30	5

ISLAND—*Continued.*BERLAND SIDE—*Concluded.*

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Square tower on roof of railway freight shed.	30	1856 re-built 1877	.....	After Indian point light is abeam haul in E. by S. until range lights are in one and keep alignment up to railway wharf.	456
White, square, wood, open framework boarded in front and surmounted by a red lantern.	56	1895	.....		457
White, square, wood, with dwelling attached.	45	1884	.....		459
Broad red and white horizontal bands, square, wood, with dwelling attached.	67	1876	.....		460
Red iron buoy, with "West Point Reef, P.E.I." in white, surmounted by a 10-inch whistle.	.....	1896	Whistle sounded by action of the waves.	.....	461
White, square, wood..	17	1886 ch'ged 1900	.....	Shows red from N.E. round through E. to S. covering Miminegash Reef, and white from S. to S.W. & S., which includes line of range. Vessels N. of reef bearing westward will be clear of it when red disappears. Shows over a small arc on each side of the line of range. The lights in line bearing S. 11° W. lead to the entrance to pond between breakwaters.	463
White, square, wood..	27	1886 ch'ged 1900	.....		464
White, octagonal, wood, surmounted by a red iron lantern, dwelling near by.	60	1866 ch'ged 1875	.....		466

OF ST. LAWRENCE SIDE.

White, square, wood..	35	1865 buildings erected 1879	.....	Range lights, to lead into harbour. The inner one is liable to be moved to suit shifting of the channel. Not more than 9 feet on bar, in line of range. Buoys indicate best channel.	469
White, square, wood..	33		.....		470
Mast, with brown shed at base.	20	1884	.....	Lights in range lead to mid-channel buoy outside bar. Vessels open the lights on starboard bow, after passing buoy, until inner fairway buoy is reached, where channel leaves range. Only 5 feet water on bar at low tide. Outer light liable to be moved.	472
Mast, with brown shed at base.	25	1884	.....		473

PRINCE EDWARD

GULF OF ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
475	TRACADIE.....	On beach, W. side of entrance, 1,800 feet back from shore line.	46 25 35	63 2 30	F. red	C....	19	8
476		Back tower 1,200 feet S.S.W. from front.			F. red	C....	24	8
478	COVE HEAD.....	Front light close to edge of sand beach at entrance to harbour.	46 26 10	63 8 45	F. white	C....	18	3
479		Back light, 600 feet from front.			F. white.....	C....	25	3
480	NORTH OR GRAND RUSTICO.	Front range light on W. side of entrance to harbour.	46 27 43	63 17 14	F. red.....	C....	22	5
481		Back range light, 306 feet S.W. by W. $\frac{3}{4}$ W. from front light.			F. red.....	C....	40	5
482		Main light, 337 feet N. W $\frac{3}{4}$ N. from front light.			F. white.....	C....	36	8
484	NEW LONDON.....	Outer end of breakwater on N. W. side of entrance to Grenville Harbour.	46 31 10	63 28 52	F. white	C....	24	7
485		Back light on beach 1500 ft. S. W. of main light.			F. red.....	C....	45	7
487	DARNLEY POINT...	Front range, near shore-line, $6\frac{1}{4}$ cables south-eastwardly from C. Aylesbury.	46 34 0	63 39 0	F. red	C....	40	7
488		1,341 feet S. W. by S. from front light.			F. red.....	C....	65	7
489	FISH ISLAND.....	Entrance to Malpeque or Richmond Bay on inside of island.	46 34 50	63 42 29	F. white.....	C....	50	12
490		Front range, 1,200 feet S.E. by E. $\frac{1}{2}$ E. from main light.	46 34 52	63 42 17	F. white.....	C....	18	6

ISLAND—*Continued.*LAWRENCE SIDE—*Continued.*

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Brown, square, open framework; lantern white.	22	1876 mov'd 1890	.....	In one, lead in about S.W. by W. past the buoys, leaving the buoy outside bar on starboard, buoy inside bar on port hand.	475
White, square, wood...	26	1876 mov'd 1894	.....	Not more than 5 feet water on bar. Position of both towers liable to be changed to suit shifting of the channel.	476
Lantern on mast	17	1879	.....	Back light liable to be moved to suit changes in the channel. Only 4 feet water on bar. Visible from all points of approach.	478
Lantern on mast	27	1879	.....		479
Lantern on mast	20	1884	.....	The two red lights in one bearing S.W. by W. $\frac{3}{4}$ W. lead over bar outside mouth of harbour in best water and clear of breakwater.	480
Lantern on mast	38	1899	.....		481
White, square, wood, with dwelling attached.	35	1876 mov'd 1899	.....	Coast light. Visible from all points of approach by water.	482
White, square, wood, open framework below, brown.	21	1879	.....	The two lights visible over 110° between Sims Point and sand hills on E. side of harbour. In range they show the entrance to the harbour.	484
White, square, wood, with dwelling attached. Iron lantern brown.	35	1876	.....	Outer range light liable to be moved to suit shifting of the channel. Strangers should take a pilot to enter.	485
White, square, open frame tower, slatted facing line of range.	25	1889	.....	Visible over an arc of 22½° on each side of alignment, and also north-westwardly along the north bar. Alignment leads to black can buoy at Eastern Passage over bar at entrance to Malpeque Harbour. Vessels entering keep the alignment until they bring the Fish Island lights in one.	487
Similar to front building.	25	1889	.....		488
White, square, wood, with dwelling attached.	46	1856 re-built 1876	.....	The main light is a sea light. The smaller one, in range with it, shows the channel over the bar, with 15 feet, and ranging with the fairway buoy inside the bar, whence the channel is marked by the harbour buoys.	489
White, open framework, surmounted by square galvanized lantern.	22	1876	.....	There is a 13-foot spot between the Eastern Passage buoy and the fairway buoys.	490

PRINCE EDWARD

GULF OF ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
491	DARNLEY BASIN...	Front range, W. side of Darnley Basin.	46 33	56 31	8 F. green.....	C....	55	3
492		Back range, 380 feet S. by W. from front light.			F. green.....	C....	64	3
495	LITTLE CHANNEL...	On Conway Inlet, N. side.	46 40	06 32	40 F. white.....	C....	26	10
496		Front range, 200 feet from main light.			F. white.....	C....	16	8
498	CASCUMPEC	Main light on inner face of sand hills on S. side of entrance.	46 48	18 64	1 42 F. white.....	C....	48	12
499	SANDY ISLAND RANGE.	Front range on eastern edge of island, N. side of entrance.	46 47	45 64	1 50 F. white.....	C....	20	9
500		Back range, 364 feet W. by N. $\frac{1}{2}$ from front light.			F. white.....	C....	24	10
503	NORTHPORT	Front range light on bank about 500 feet west of railway wharf	46 48	16 64	3 6 F. red.....	C....	31	3
504		Back range light, 1125 feet W. $\frac{1}{4}$ N. from front light.			F. red	C....	42	3
506	BIG TIGNISH.....	Back range light, on beach, at inner end of N. breakwater pier.	46 57	35 63	59 20 F. white.....	C....	35	11
507		Front light, on outer end of N. breakwater pier, 620 feet S. E. $\frac{1}{2}$ E. from main light.			F. red	C....	18	5
	NORTH POINT.....	See above, No. 466.						

ISLAND—Concluded.**LAWRENCE SIDE—Concluded.**

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Open framework, lantern white.	15	1897	.....	Strangers should not attempt the entrance.	491
Open framework, lantern white.	21	1897	.....		492
White, square, wood, with kitchen attached.	30	1872 re-built 1876	.....	In one, lead through channel with 5 feet at entrance to harbour. There is a ballast heap in the alignment at the point of the S. sand hill, to pass this the front light must be opened to N. Outer light liable to be moved to suit changes in the channel.	495
Open framework, lantern white.	20	1876	.....		496
White, square, wood, with dwelling attached.	46	1856 mov'd 1899	.....	Coast light. Visible from all points of approach by water. To enter vessels should bring the main light to bear W. $\frac{1}{2}$ N. and run in until range lights are in one. Keep this range in one until red lights at Northport are in one. This course will give 11 feet water over the bar.	498
White, square, wood..	22	1897 mov'd 1901	.....		499
White, square, open frame tower, with slatwork facing channel.	26	1897 mov'd 1901	.....		500
White, open frame tower, with slatwork facing channel.	29	1885	.....	Range lights lead directly up the harbour.	503
White, open frame tower, with slatwork facing channel.	41	1885	.....		504
White, with a black horizontal band, square, wood.	33	1877 building 1881	.....	These two lights, in range, guide in N.W. $\frac{1}{2}$ W. between the breakwaters.	506
Lantern on a mast, with white shed at base.	14	1883	.....	The outer light also shows end of pier, and is for convenience of small vessels only.	507

NEW BRUNSWICK

GULF OF ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
For lights in Nova Scotia, see 404 and preceding numbers. do on Bay of Fundy coast of New Brunswick, see 81 and preceding numbers.								
508	TORMENTINE REEFS BELL BUOY.	In 6 fathoms $\frac{3}{4}$ mile E. of outer dry dock of Tormentine reefs.	46 6 35	63 41 10	.....	.....	.....	.....
509	CAPE TORMENTINE PIER.	Front light on S.E. corner of pier.	46 8 8	63 46 22	F. red.	C	17	6
510		Back light on shore near inner end of pier, 2,550 feet S. 87° W. from front light.	.....	.....	F. red.	C	34	7
511	JOURIMAIN.....	On east end of island...	46 9 42	63 48 20	Rev. white, 10 seconds.	C	72	14
512	ZEPHYR ROCK LIGHT VESSEL.	In 19 feet, 2 cables N. N.E. of Zephyr Rock, off Pointe du Chêne.	46 16 30	64 30 00	{ F. white. F. white.	{ D, p. D, p.	{ 21 25	8
513	SHEDIAC NORTH CHANNEL.	On northernmost part of Pte. du Chêne.	46 14 43	64 30 48	F. red.	C	32	7
514		602 ft. S.W. by S. from front light.	.....	.....	F. red.	D, p.	43	8
515	SHEDIAC ISLAND..	Front light on E. shore, near S. end of island.	46 15 32	64 31 57	F. white.	C	36	11
516		Back light about 619 feet W. by N. $\frac{3}{4}$ N. from front.	.....	.....	F. white ..	C	52	12
517	SHEDIAC HARBOUR	On N. W. corner of Pointe du Chêne Government breakwater.	46 14 39	64 31 41	F. white	D, 7..	32	6
518		Near extremity of south railway wharf, 621 feet S.W. $\frac{3}{4}$ S. from front.	.....	.....	F. white.	D, 7..	38	6

WICK.

LAWRENCE.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Black iron buoy surmounted by a bell.	.....	1895	Bell rung by action of the waves.		508
Shown from window in gable of unpainted wooden freight shed; white, diamond-shaped slatwork day beacon shows above roof.	.....	1901	Bell rung by hand on E. end of small building, 297 feet inside N.E. corner of pier.	Front light visible over an arc of 45° on each side of line of range; back light visible from all points by water S. of Jourimain Island shoal. The lights in one bearing S. 87° W. lead in to the pier head clear of S. end of Jourimain Island shoal. To guide steamer "Stanley" while making winter passages between Cape Tormentine pier and P. E. Island. Lights only in operation when str. "Stanley" is running.	509
Shown from cupola of drab wooden iceboat house.	40	1901			510
White, octagonal, wood.	45	1870 ch'ged 1878		Visible over an arc of 220° 47' from S. 54° 47' E. round by W. to N. 5° W.	511
2-masted schooner, blue, black bulwarks, 2 lights between masts, 4 ft. apart vertically.	...	1899	Hand horn answers signals from vessels.	Maintained only each autumn.	512
White, square, wood. Lantern red.	27	1895 ch'ged 1898			513
White, square, wood. Lantern red.	39	1895 ch'ged 1898		To enter keep this alignment until the Shediac Island lights are brought in one.	514
White, square, wood. Lantern red.	37	1869 re- built 1895			515
White, square, wood. Lantern red.	47	1869 re- built 1895		Range lights. The alignment should be kept until the wharf range lights are brought in one.	516
On iron mast, with shed at the base.	29	1860			517
On iron mast, with shed at the base.	37	1860		Alignment gives middle of channel from intersection with Shediac Island range to the wharves.	518

NEW BRUNS

GULF OF ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
519	CASSIE POINT.	On point.	46 19 24	64 30 40	Rev. white, 30 seconds.	C ...	47	12
522	BUCTOCHE.	On Dixon Point.	46 27 40	64 38 50	F. white.	C ...	36	11
523		1,050 feet N.W. by W. from front light.			F. white.	C ...	41	12
524		Front light, close to shore road on Indian or Church Point.	46 29 35	64 40 30	F. white.	C ...	23	9
525	BUCTOCHE INNER RANGE.	Back light, 1,980 feet N.N.W. $\frac{1}{4}$ W. from front one.			F white.	C ...	53	12
528	RICHIBUCTO HEAD. .	On headland.	46 39 40	64 42 30	F. white.	D, 4..	70	14
529	RICHIBUCTO HARBOUR.	Front light on S. beach at entrance.	46 42 42	64 45 5	F. white.	D, p..	34	3
530		BAR RANGE.			F. white.	D, p..	37	3
531		CHANNEL RANGE. } On western end of south beach.			F. white.	D, p..		
532					F. white.	D, p..		
533	ESCUMINAC.	On point.	47 4 32	64 47 33	F. white.	D, 3..	66	14
534	PRESTON BEACH	On S. shore Miramichi Bay.	47 4 47	64 54 58	F. white.	D, p..	41	10
535		804 feet S. by E. $\frac{5}{8}$ E. from front light.			F. white.	D, p..	58	10
536		Front light on E. shore of Fox Island, $1\frac{1}{2}$ miles from S. end.	47 6 46	64 59 50	F. white.	C ...	47	12
537	SWASHWAY RANGE.	1,220 feet W. by N. $\frac{1}{4}$ N. from front light.			F. white.	C ...	72	14
538	FOX ISLAND, N.W. POINT.	No. 1, 100 feet from north of coast.	47 7 55	65 2 6	F. white.	D, p..	47	8
539		No. 2, 1,051 feet S. E. $\frac{1}{2}$ E. from No. 1.			F. white.	D, p..	46	8
540		No. 3, 954 feet S.W. by W. $\frac{3}{4}$ W. from No. 1.	47 7 52	65 2 15	F. white.	D, p..	36	8

WICK—Continued.

LAWRENCE—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood, with dwelling attached.	27	1872	Hand-horn answers signals from vessels.		519
White, square, wood.	30	1881		Range lights, to guide into Buctouche Harbour.	522
White, square, wood.	34	1881			523
White, square, wood, with red roof.	23	1883		Range lights, visible in direction of range.	524
White, square, wood, with red roof.	23	1883		Lead into harbour through deepest channel clear of all obstructions, from line of range of Dixon Point lights to where channel turns abruptly to westward to enter Buctouche River.	525
White, square, wood.	50	1864			528
Lantern on a mast	26	1879 mov'd 1901		The bar range lights in one bearing S. $\frac{1}{2}$ W. lead across the shifting bar at entrance to harbour. Keep the alignment of this range until it intersects the alignment of the channel range lights; from this point, turning to the westward, keep the channel range lights in one for about a mile till the first black spar buoy is reached. From this point the channel is tortuous and is marked by buoys. The channel range masts were carried away in November, 1901, and will be replaced in the spring of 1902.	529
Lantern on a mast	37	1879 mov'd 1901			530
Lantern on a mast		1901			531
Lantern on a mast		1901			532
White, octagonal, wood, dwelling near by.	69	1841	Steam horn gives blasts of 6 seconds, with intervals of 35 seconds.	Fog alarm building 240 feet N.N. W. of lighthouse.	533
White, square, wood, lantern red.	29	1869 towers erect- ed		Lights in line lead vessels entering Miramichi Bay from the Bar buoy up through the ship channel east of the Lump buoy.	534
Red, steel skeleton tower, enclosed upper part white, lantern red.	59	1898			535
White, skeleton, slatted on seaward face, wood.	46	1872 chang- ed		The alignment W. by N. $\frac{1}{4}$ N. leads from the deep water of the outer bay through the Swashway to the buoys in the ship channel, with nowhere less than 2 $\frac{1}{2}$ fathoms.	536
White, skeleton, slatted on seaward face, wood.	71	1891			537
Lantern on mast, with white shed at base.	40	moved 1881		Nos. 1 and 2, in line, range N.W. $\frac{1}{4}$ N. into the Horse-shoe Channel.	538
Lantern on mast, with white shed at base.	38	moved 1881		Nos. 1 and 3, in line, range N.E. by E. $\frac{1}{4}$ E. through Portage Island Channel.	539
Lantern on mast, with white shed at base.	28	1881		Nos. 2 and 3, in line, range W. by N. $\frac{1}{4}$ N. to the upper buoy of Horseshoe Shoal.	540

NEW BRUNSWICK

GULF OF ST. LAWRENCE

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
541	PORTAGE ISLAND.	Near S. point of Island	47 9 45	65 2 38	F. white.....	C.....	45	12
542	MIRAMICHI BAY LIGHTSHIP.	Horseshoe Bar, between Fox and Portage Islands.	47 8 14	65 4 3	F. red.....	C.....	35	8
543	BAY DU VIN ISLAND.	On west end of Island..	47 5 7	65 6 53	F. white.....	C.....	30	10
544		1,222 feet N. E. by E. from front light.			F. white.....	C.....	42	11
545	OAK POINT FRONT.	On the point, north side of river.	47 7 22	65 15 42	F. white.....	D, p..	43	10
546	OAK POINT BACK.	1,800 feet N. E. by E. from front light.			F. white.....	D, p..	48	10
547	SHELDRAKE ISLAND.	On E. end of Island...	47 5 30	65 19 0	F. white.....	C.....	45	12
548		Near west end of Island, about 1,165 feet W. of front light.			F. white.....	C.....	35	10
549	GRANT BEACH.	North shore of river...	47 5 7	65 23 45	F. white.....	D, p..	120	10
550		1,300 feet N. 66° W. from front.			F. white.....	D, p..	140	10
553	MIDDLE ISLAND.	Miramichi Bay	47 3 28	65 27 0	F. white.....	C.....	44	11
554	NEWCASTLE.....	On lime-kiln bank, N. side of river, below the town.	47 0 45	65 33 40	F. red.....	D, p..	87	9
556	HAY ISLAND..	Near east end of Island.	47 13 54	65 3 46	F. white.....	C.....	23	10
557		224 feet W. $\frac{3}{4}$ N. from front light.			F. white.....	D, p..	30	11
558	LOWER NEGUAC WHARF.	On public wharf, about 60 ft. from its end.	47 15 40	65 2 35	F. red.....	D, p..	28	8
559		On the beach, 1,080 ft. N. N. W. $\frac{1}{4}$ W. from front light.			F. white.....	C.....	32	10
560	NEGUAC	On N. E. side of gully..	47 14 40	65 0 22	F. red.....	C.....	26	7
561		Main light 900 ft. N. by E. from front light.			F. white.....	C.....	32	11

WICK—Continued.

LAWRENCE—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood, with dwelling near.	42	1869	Hand horn answers signals from vessels.		541
A schooner rigged ves- sel, hull red.	.....	1873	Bell rung by hand thus : rings for 3 seconds, silent 1 second, rings for 3 sec- onds, silent 1 minute.		542
Lantern on mast, red shed at base.	25	1882	.....	Range lights.	543
Lantern on mast, red shed at base.	30	1882	.....		544
Lantern hoisted on mast, with whiteshed at base, all supported on trestlework.	28	1869	.....	In one lead to red buoy in river above.	545
Same as front light....	38	1869	.....		546
Mast, with shed at base.	46	1869	.....	Alignment leads up Oak Channel to intersection with Oak Point range.	547
Mast, with shed at base.	39	1869	.....		548
Same as Oak Point ..	34	1869	.....	In one lead to Napan black buoy.	549
Same as Oak Point..	34	1869	.....		550
Mast with shed at base.	45	1874	.....		553
White, square, wood, with red roof.	23	1884	.....		554
Lantern on mast, with red shed at base.	15	1881	.....	Range lights, to enable vessels seek- ing shelter to clear the point of the shoal off the east end of the island.	556
White, with red roof, square, wood.	21	1881	.....		557
Lantern on mast, with white shed at base.	25	1892	.....	Alignment guides over the bars in- side Neguac gully. Outer light leads to wharf.	558
White, square, wood, lantern red.	33	1892	.....		559
Lantern on mast, with white shed at base.	25	1873 re- built 1896	.....	Alignment guides to a black can buoy, which is the outermost of the buoys marking the gully.	560
White, square, wood, lantern roof red.	30	1873 reb't 1893	.....		561

NEW BRUNS

GULF OF ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
	ESCUMINAC	See No. 533 above.						
	PORTAGE ISLAND....	See No. 541 above.						
564	SOUTH TRACADIE....	N. side of gully. . . .	47 30	5 64 52 10	F. red.	C	26	8
566	NORTH TRACADIE....	On sand flat on N. side of gully.	47 33 17	64 51 25	F. white.	C	37	11
569	POKEMOUCHE	On beach, N. side of gully.	47 40 10	64 46	0 F. green.	C	35	8
570		270 feet S. by W. $\frac{3}{4}$ W. from main light.			F. red.	C	25	5
573	INDIAN POINT.....	On sand bank at extremity of point, S. side Big Shippigan Gully.	47 43 50	64 40 10	F. red.	D, 7. .	28	5
574		134 feet N. 10° W. from front range.			F. white.	D, 7. .	36	10
575	BIG SHIPPIGAN.....	On Alexander Point, N.E. of entrance to gully.	47 43 30	64 39 10	F. white.	C	32	11
578	MISCOU GULLY.....	On N. side of E. entrance to Little Shippigan.	47 55	5 64 29 30	F. white.	D, 7. .	54	11
579	MISCOU ISLAND....	Birch Point.	48 1 0	64 29 25	Gp. rev. white flashes, at intervals of 15 seconds, followed by eclipse of 30 seconds. Complete revolution in $1\frac{1}{4}$ minutes.	4 C ...	79	14
581	GOOSE LAKE....	W. side of Miscou Island.	47 55 40	64 35 40	Rev. white, every minute.	C ...	40	10
582	HARPER POINT..	At western entrance to Little Shippigan.	47 54	0 64 35	0 F. white	D, 7. .	48	12
584	POKESUDIE	N.E. point of island..	47 49 10	64 44 40	F. white.	D, 7. .	41	11
585	CARAQUET	On W. side of island...	47 49 36	64 53 47	F. white.	D, p. .	49	14
586	STONEHAVEN....	At head of pier... .	47 45 30	65 20 50	F. red.	D, 7. .	88	15

WICK—Continued.

LAWRENCE—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Red, square, wood . . .	26	1877			564
White, square, wood . .	33	1875 mov'd 1896			566
White, square, wood, with dwelling at- tached.	37	1876			569
Lantern on a pole, tra- velling on a tramway to suit changes in channel.	23	1885		Range to guide to can buoy at pas- sage over bar.	570
Lantern on a mast, with small shed at base, red.	27	1889		Visible in the line of range	573
Lantern on a mast, with small shed at base, white.	36	1889		Alignment indicates best water over the bar. A mid-channel buoy on the alignment outside the bar. After passing it, vessels entering should keep the alignment to red barrel buoy inside bar, whence channel is marked by harbour buoys.	574
White, square, wood . .	30	1872 re- mov'd 1880	Hand horn answers signals from vessels.		575
Lantern on a mast, with white shed at base, standing on a crib.	34	1887		Visible from all points of approach to the entrance. To mark entrance to the gully from the gulf.	578
White, octagonal, wood	74	1856	Steam whistle sounds a blast of 5 seconds every $\frac{1}{2}$ minute.	Connected by telephone with tele- graph system. Whistle established in 1875, situated 107 yards E. from lighthouse.	579
White, square, wood . .	28	1875			581
Lantern on a mast, with white shed at base, standing on a crib.	35	1887		Visible from all points of approach by water.	582
White, square, wood . .	34	1881	Hand horn answers signals from vessels.		584
White, square tower on dwelling.	43	1870			585
White, square, wood . .	37	1885			586

NEW BRUNSWICK

GULF OF ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
587	BELLONI POINT.	On E. side entrance to Bathurst Harbour.	47 40 21	65 33 18	F. white.....	D, p..	30	10
589		On Caron Point.	47 39 20	65 36 40	F. white.....	D, 7..	31	10
590	BATHURST.....	360 feet N. 51½° E. from front light.			F. red	C.....	43	14
592	PETIT ROCHER..	On Elm Tree Point....	47 48 39	65 43 13	F. white.....	C...	36	12
593	LITTLE BELLE-DUNE.	On the point.....	47 55 10	65 53 25	F. white.....	D, 7..	52	12
594	HERON ISLAND..	Chaleur Bay	48 0 0	66 8 0	F. white.....	C...	66	15
596	DALHOUSIE HARBOUR.	S. side of entrance to harbour.	48 3 45	66 20 50	F. white.....	D, p..	49	13
597	DOUGLAS ISLAND OR DALHOUSIE ISLAND.	On E. end of island....	48 4 25	66 21 30	F. white.....	C...	30	6
598	DALHOUSIE RAILWAY WHARF	29 feet from outer end and 33 feet from front edge of wharf.	48 4 25	66 22 25	F. white	D, p..	30	9
601	MONTGOMERY ISLAND.	On summit, 296 feet S. E. ¼ E. from wharf light.			F. white	C.....	34	9
603		Pier beside railway wharf, Restigouche River.	48 0 50	66 39 55	F. red.....	C.....	24	9
604	CAMPBELLTON RANGE LIGHTS	On cribwork block on Kilgour Shives wharf, 1180 ft., S. 83° 30' W. from front light.			F. red.....	C.....	39	9

WICK—*Concluded.*LAWRENCE—*Continued.*

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood..	22	1890	.....	Visible from E. through S. to W... Indicates outside limit of shoal off mouth of Bathurst Harbour.	587
White, square, wood..	33	1871	.....	Range lights, to guide vessels into the harbour. The lights in one lead vessels to the buoys on the bar at the entrance to Bathurst harbour. After passing the black buoy the lights are left on port hand. Local knowledge required to enter.	589
Red and white striped, square, wood.	.....	1871 reb't 1878	.....		590
White, square, wood..	31	1879	.....		592
Mast, with white shed at base.	39	1884	.....	Visible from all points of approach by water.	593
White, square, wood..	20	1875	.....	Visible from all points seaward....	594
White, square, wood..	33	1870	.....	Seen from all points of approach...	596
White, square, wood..	22	1886	.....	Visible easterly and north-westerly.	597
Square, white lantern projecting through roof of railway wooden freight shed.	34	1879	.....	Visible in line of range, and to the E.N.E. These two form a range to lead to the railway wharf clear of all shoals.	598
White, square, wood..	22	1879	.....		601
White, square, wood..	22	1879	.....	The two lights in one bearing S. 83° 30' W., lead from the intersection of their alignment with that of the Oak Point Range up to the wharves.	603
White, square, wood..	37	1879	.....		604

PROVINCE

GULF OF ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
605	CHALEUR BAY. OAK POINT RANGE.	Near W. extremity of point, Restigouche River.	48 2 40	66 36 30	F. white.....	C....	52	12
606		On hill, 2,231 ft. N. 68° 30' E. from front light.			F. white.....	C....	121	12
607		CARLETON..... On Tracadigash Point.	48 3 15	66 7 0	F. white.....	C....	32	12
609		PASPEBIAC..... 330 feet N. from S. extremity of Spit.	48 1 26	55 14 20	F. white.....	C....	50	12
611		MACQUEREAU POINT. On extremity	48 12 30	64 46 25	Alt. red and white, one minute.	C....	56	12
612	NEWPORT POINT.	On island off extremity	48 17 23	64 42 42	F. white.....	D, p..	36	12
614	GRAND RIVER.....	On E. side of entrance, coast of Gaspé.	48 24 35	64 28 35	F. red.	D. 7..	52	8
616	CAPE DESPAIR.....	Near extremity.....	48 25 40	64 18 30	Rev. white, every $\frac{1}{2}$ minute.	C....	90	15
618	PERCÉ.....	On White Head.....	48 30 30	64 12 40	F. white.	C....	149	13
620	POINT PETER.....	On Flat Rock, or Plateau, off the Point.	48 37 50	64 9 0	Rev. red, 30 secs..	C....	77	10
622	GASPÉ BAY LIGHT-SHIP.	At Sandy Beach Point, moored off extreme of Spit.	48 50 35	64 24 30	{ F. red on foremast F. white on mainmast.	D, p.. D, p..	29 37	6 11
623	GASPÉ.....	O'Hara Point Wharf, Basin.	48 49 45	64 28 45		C....	38	7
624	CAPE GASPÉ.....	Close to S. face.....	48 45 15	64 9 35	Gp. rev. white, 3 flashes 15 secs. apart followed by eclipse of 30 secs. Complete revolution 1 min.	C....	355	26
	CAPE ROSIER.....	See No. 673.						

OF QUEBEC.

LAWRENCE—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood..	22	1879 re-established 1900	.....	Lights in one bearing N. 68° 30' E. lead from intersection with alignment of Campbellton Range across river to Quebec side. At 3½ cables from front light the range is opened on the port hand and an easterly course shaped to deep water.	605
White, square, wood..	22	1879 re-established 1900	.....		606
White, wood	28	1872	Hand horn answers signals from vessels.	.....	607
White, square, wood, with dwelling near by.	54	1870 re-built 1881	Hand horn answers signals from vessels.	In running into the harbour the light changes to red, covering the anchorage over an arc of 45° between E.S.E. and S.S.E.	609
White, square, wood, dwelling attached.	27	1874	Hand horn answers signals from vessels.	Marine telegraph and signal station	611
White, square, wood..	27	1895	Hand horn answers signals from vessels.	.....	612
White, hexagonal, wood, with red iron lantern.	43	1885	Hand horn answers signals from vessels.	.....	614
White, square, wood, dwelling with red roof attached.	43	1874	Hand horn answers signals from vessels.	Marine telegraph and signal station	616
White, square, wood..	29	1874	Hand horn answers signals from vessels.	.....	618
White square, wood, dwelling attached.	50	1883	Hand horn answers signals from vessels.	Visible from all points seaward.	620
Hull red, with "Light Ship" on her side.	.....	1871	Bell rung by hand answers signals from vessels.	.....	622
White, with red roof, square, wood.	37	.....	.....	.....	623
White, square, wood, red iron lantern. Tower rises from middle of S. face of dwelling.	46	1873 re-built 1892	Cotton powder bombs exploded every 15 minutes; and every 5 minutes when vessels' signals are heard in dangerous proximity.	Visible from all points seaward....	624

PROVINCE OF

NEWFOUNDLAND

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.	
The following 9 lights, nearly all in Newfoundland territory, are maintained by the Dominion of Canada :									
631	STRAIT OF BELLE ISLE.	Summit of extreme S. point of Island.	51 52 53	55 21 49	F. white, visible from about S.E. by S. to W.	D. 1 ..	470	28	
632		BELLE ISLE....	333 feet below the main light.		F. white.....	C	137	17	
634		CAPE BAULD ...	Northernmost point of Newfoundland.	51 38 50	55 25 0	Alt. red and white, 45 seconds.	C	154	18
635		CAPE NORMAN..	On the cliff, about $\frac{3}{4}$ mile from extreme point.	51 38 7	55 54 6	Rev. white, 2 minutes.	C	116	16
637		AMOUR POINT...	S. E. side of Forteau Bay	51 27 26	56 50 28	F. white.....	D, 2 ..	152	18
638		FLOWER ISLAND.	On the point of the island nearest the channel.	51 18 26	56 43 33	Rev. white 30 secs.	C	51	12
639	GREENLY ISLAND	On S.W. part of Island	51 22 26	57 9 52	Gp. rev. red and white. White, $\frac{1}{2}$ min., red $\frac{1}{2}$ min., white $\frac{1}{2}$ min., eclipse, $1\frac{1}{2}$ mins.	C	108	15	
641	RICH POINT.....	W. coast of Newfoundland.	50 42 0	57 24 30	Gp. rev. white, showing 2 flashes 15 secs. apart and eclipse 30 secs. Complete revolution 45 secs.	C ...	93	15	
643	CAPE RAY....	On W. side of Cape, 650 feet from the shore.	47 37 0	59 18 0	Rev. white, 20 secs.	C ..	127	17	
For the convenience of mariners the following 11 lights, &c., on the S. coast of Newfoundland, not under Canadian control, have been inserted :—									
	PORT BASQUE.	On Channel Cape.	47 33 50	59 7 11	F. red.....	D, 6..	90	12	
	ROSE BLANCHE POINT	On E. extremity of Point.	47 35 48	58 41 31	F. white.....	D, 4..	95	13	
	IRELAND ISLAND....	On E. side of entrance to La Poile Bay.	47 37 52	58 22 13	Rev. white 12 sec-onds.	D, 5..	67	9	

QUEBEC—Continued.

AND LABRADOR.

Colour and any peculiarity of Buildings.	Height in feet in Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, circular, stone clapboarded with white dwelling attached.	59	1858	First order double siren, operated by compressed air. The sirens will give blasts of low and high notes alternately thus: Low note $2\frac{1}{2}$ secs.; silent $2\frac{1}{2}$ secs.; high note $2\frac{1}{2}$ secs.; silent interval $112\frac{1}{2}$ secs.	The double siren is situated midway between upper and lower lights, 250 ft. above high water mark. Marine telegraph and signal and ice report station. Depot of provisions for shipwrecked mariners. In fog, lower light may be visible when high obscured, or <i>vice versa</i> .	631
White, square, wood, iron lantern red.	31	1880			632
White, square, wood, with red iron lantern, dwelling attached.	54	1884	Steam horn gives a blast of 10 seconds in each minute.	Sea light, and to indicate entrance to Strait of Belle Isle, visible from all points of approach seaward.	634
White, hexagonal, wood. Fog-horn building square, wood, white, with red roof.	55	1871 Fog-alarm, 1890	Steam horn gives a blast of 5 seconds every 35 seconds.	Visible from all points of approach seaward. Horn 67 feet above h. w. m. 210 feet E. of light.	635
White, circular, stone, wood covered, with white, red roofed dwelling attached. Fog-alarm building white, wooden.	104	1855 Fog alarm 1875 moved 1892	Whistle sounds a blast of 8 seconds every minute.	Fog whistle on point, 166 feet S. by E. from lighthouse. If whistle becomes disabled, horn in same building will sound similar blasts. Marine telegraph and signal and ice report station.	637
White, square, wood, with dwelling attached, red polygonal iron lantern.	50	1899	.....	Visible from all points of approach by water.	638
White, with lantern and dwelling roof red, octagonal, wood, with white wooden dwelling attached. Fog-alarm building white, wood, roof red.	78	1878	Steam-horn gives blasts of 10 seconds, with intervals of 80 seconds.	Light completes a revolution every 3 minutes. Horn 1,064 feet S.E. $\frac{1}{2}$ S. from the lighthouse.	639
White, octagonal, wood, with red iron lantern, white dwelling behind.	58	1871 rebuilt 1892	.....	Visible from all points seaward	641
White, octagonal, wood, red iron lantern, white dwelling and outbuildings, with red roofs, near by.	75	1871 rebuilt 1885	Steam horn, established 1872, gives a blast of 10 seconds in each minute.	Horn at the shore Marine telegraph and signal ice report station.	643
Wooden tower.....	34	1875	.....	Under Newfoundland Government.	
Stone tower with vertical red and white stripes. Dwelling attached.	40	1874	.....	do do	
Iron tower with red and white horizontal bands	39	1886	.....	do do	

PROVINCE OF

NEWFOUNDLAND

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
	BOAR ISLAND.....	E. extremity of Burgeo Islands.	47 36 10	57 35 10	F. red.....	D, 6..	208	17
	ST. PIERRE AND MIQUELON. CAPE BLANC....	N. W. extremity of Grand Miquelon.	47 6 10	56 24 9	Occ. white with red sector, visible 10 seconds in each minute.	D, 2..	103	15 to 16
	LANGLADE	On Plate Point	46 49 8	56 24 19	Fl. white with red sector; intervals of 5 seconds.	D, 1..	154	18
	GALANTRY HEAD	S. extremity of St. Pierre.	46 45 42	56 9 44	Gp. Fl. Two white and one red, 20 seconds.	D, 2..	210	18
	LAMALIN HARBOUR..	S. E. Point of Allan Island.	46 51 0	55 48 0	F. white	D, 8..	64	8
	DODDING HEAD.....	S. Point of Grand Burin Island.	47 0 26	55 9 0	Rev. white, 1 minute.	D, 2..	430	24
	CAPE ST. MARY.....	On the Cape	46 49 34	54 11 34	Alt. 1 minute.....	D, 1..	390	26
	CAPE PINE.....	On the Cape	46 37 4	53 31 45	F. white.....	C	315	24
648	CAPE RACE.....	On the Cape.....	46 39 24	53 4 17	Rev. white, 30 secs.	C	125	17
	For Nova Scotia lights see No. 85 <i>et seq.</i>							

ISLANDS IN THE GULF

652	ST. PAUL ISLAND.	N. E. POINT.....	On rock off point	47 13 55	60 8 20	F. white	D, 1..	140	18
653		FOG WHISTLE ..	S. side of island, S. E. of Atlantic Cove, about $\frac{1}{2}$ mile from Humane Station.	47 11 48	60 8 45	.....	.....	.....	.....
654		S. W. POINT.....	On point.....	47 11 20	60 9 40	Rev. white, 1 minute.	D, 1..	140	18

QUEBEC—Continued.

AND LABRADOR—Concluded.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Wooden tower, dwelling attached.	.....	1874	.....	Under Newfoundland Government.	
Lower part white, upper part black, lantern white.	49	1883	.....	French light.	
Black and white bands	127	1881	Siren gives blasts of 8 seconds' duration with alternate intervals of 8 seconds and 36 seconds.	do Red sector over Seal rocks	
Semicircular tower against square dwelling.	38	1862	Whistle sounds for six seconds with intervals of one minute.	do	
Octagonal wood, alternate red and white sides.	36	1879	.....	Under Newfoundland Government.	
Circular tower on dwelling.	25	1858	.....	do do	
Circular, iron, red.	40	1860	.....	do do	
Circular with red and white horizontal bands	56	1851	.....	do do	
Striped red and white vertically, cylindrical iron, with white wood dwelling with red roof attached.	46	1856	Steam whistle, established 1872, sounds blasts of 5 seconds' duration with silent intervals alternately of 15 and 35 seconds between them.	Visible between bearings of E.N.E. and W.S.W. Whistle about 250 feet S. of lighthouse, connected by a covered way. Signal mast and lookout between lighthouse and whistle-house. (This station is under the control of Nova Scotia Agency.)	648

OF ST. LAWRENCE.

White, octagonal, wood, dwelling near tower.	40	1839	.....	Obscured between N. by E. $\frac{1}{2}$ E. and E.N.E. (Establishments on this island are under the Nova Scotia Agency.)	652
Brown, wood, whistle about 80 feet above water.	.....	.....	Steam whistle sounds for 5 seconds in each minute.	Marine telegraph and ice report station at main establishment on island.	653
White, octagonal, wood	40	1831	.....	Obscured on bearings from S.S.E. to W. $\frac{1}{2}$ N. Lights are kept in operation as long as traffic is open, without reference to fixed dates.	654

PROVINCE OF
ISLANDS IN THE GULF

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
656	BIRD ROCKS....	On summit of Great Bird Rock.	47 50 40	61 8 20	F. white	D, 2..	140	18
657	GRAND ENTRY HARBOUR.	On E. side of entrance on N.W. extremity of sand spit.	47 33 57	61 33 25	F. red	C	29	4
658	ETANG DU NORD	W. side of Grindstone Island.	47 23 20	61 57 30	Rev. white, 1½ minutes.	C	97	15
659	AMHERST ISLAND	S. point of Island	47 13 6	61 58 0	Alt. red and white, 30 seconds.	C	107	16
660	ENTRY ISLAND..	On S. side of island....	47 16 30	61 42 0	F. white	C	93	15
664	HEATH POINT...	Near the E. end of the island.	49 5 20	61 42 16	F. white	C	99	15
665	BAGOT BLUFF...	¾ mile W. from S. point	49 3 50	62 15 50	Rev. white, 20 seconds.	C ...	75	14
666	SOUTH-WEST POINT.	On extremity	49 23 45	63 35 46	Rev. white, 1 minute.	C ...	94	15
667	WEST POINT....	Extreme W. point, Anticosti Island.	49 52 30	64 31 40	F. white	D, 2..	106	16
670	PERROQUET ISLAND..	On northwesternmost Island of the group, 83 feet from N. cliff and 228 feet from W. cliff.	50 13 35	64 12 30	Rev. white, 30 seconds.	C	87	15

QUEBEC—Continued.

OF ST. LAWRENCE—Concluded.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, hexagonal, wood, with white dwelling near tower.	39	1870 re-built 1887	Cotton powder bombs exploded every 15 minutes; and every 5 minutes when vessels' signals are heard in dangerous proximity.	International Code flags kept here to enable keeper to make known wants.	656
Lantern on a pole, with white shed at base.	30	1900	.....	.....	657
White, square, wood..	42	1874	.....	.....	658
White, hexagonal, wood	54	1871	.....	Visible over an arc of 198° from W. by N. $\frac{1}{2}$ N. round through N. to S. E. $\frac{1}{2}$ E. Marine telegraph and signal and ice report station.	659
White, square, wood, dwelling attached.	42	1874	.....	Light visible from W.N.W. through N. and E. to S.	660
White, with a red horizontal band, circular, faced and clap-boarded.	95	1835	Cotton powder bombs exploded every 15 minutes; and every 5 minutes when vessels' signals are heard in dangerous proximity.	The lighthouse kept open of Cor-morant point clears the reefs off Goose point. Visible between the bearings S. W. by W. to E. Marine telegraph and signal and ice report station.	664
White, with a red vertical stripe, hexagonal, wood. White dwelling E. of tower, fog-alarm farther E. white, with red roof, wood.	54	1871	Steam horn sounds for 10 seconds in every minute. If the horn is out of order a whistle will sound similar blasts.	Horn 100 yards E. of lighthouse. This alarm is inaudible at any serviceable distance in some conditions of the atmosphere. Marine telegraph and signal and ice report station.	665
White, with two red horizontal bands, circular, stone, clap-boarded.	90	1831	.....	Visible from all points of approach. Marine telegraph and signal and ice report station.	666
White, with two red vertical stripes circular, stone, boarded. Fire-brick dwelling attached.	112	1858	Cotton powder bombs exploded every 15 minutes; and every 5 minutes when vessels' signals are heard in dangerous proximity.	Marine telegraph and signal and ice report station.	667
White, with iron lantern red, square, wood, with dwelling attached.	55	1888	.....	Light visible from all points of approach except where intercepted by Mingan Island, between the bearings of N. W. by W. $\frac{1}{2}$ W. and M.W. $\frac{1}{2}$ N.	670

PROVINCE OF

GULF OF ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
	CAPE GASPÉ.....	See above, No. 624.						
673	CAPE ROSIER.....	On Cape.....	48 51 38	64 11 50	F. white.....	D, 1.	136	17
675	FAME POINT.....	County of Gaspé, South Coast.	49 6 48	64 36 20	F. white, varied by red flashes every 20 seconds.	C....	200	20
677	CAPE MAGDALEN.....	On Cape.....	49 15 35	65 19 15	Alt. red and white, 2 minutes.	C....	147	15 20
								Red White
679	MARTIN RIVER.....	On S. shore, Gaspé County.	49 13 20	66 9 0	F. white.....	C....	125	17
681	SEVEN ISLANDS.....	On Carousel Island....	50 5 25	66 23 5	F. white.....	C....	190	20
683	CAPE CHATTE.....	N.E. point of Cape....	49 5 55	66 45 29	Rev. white, 30 seconds.	C....	120	18
685	EGG ISLAND.....	200 yards from S. end of Island.	49 38 0	67 10 0	Rev. white, 1½ minutes.	C....	74	15
686	POINT DE MONTS....	About 1½ miles N. E. of Point.	49 19 35	67 22 0	F. white.....	C....	93	15

RIVER ST.

690	MATANE.....	County of Rimouski..	48 51 35	67 31 40	F. white.....	C & D, P.	66	14
691	MATANE PIER.....	End of Government Pier.	48 51 50	67 31 35	F. white.....	C....	30	7
693	LITTLE METIS.....	On the Point.....	48 41 0	68 2 20	Alt. red and white, 1 minute.	C....	56	13
695	BERSIMIS RIVER..	On beach on N. shore of river, inside mouth.	48 56 10	68 38 28	F. white.....	C....	30	5
696		360 ft. N. W. ½ N. from front light.			F. white.....	C....	40	5

QUEBEC—Continued.

LAWRENCE.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, circular, stone, clapboarded.	112	1858	Steam whistle sounds blasts of 10 seconds every minute.	If the whistle is out of order a horn will sound similar blasts. Marine telegraph and signal station.	673
White, with a black horizontal band, square, wood.	50	1880	.....	Marine telegraph and signal station.	675
White, with a black vertical stripe, hexagonal, wood, dwelling behind. Alarm building white, with brown roof, wooden.	54	1871 Fog-alarm 1892	Steam-whistle 128 ft. above water, sounds blasts of 8 seconds in every half minute.	Marine telegraph and signal station. Whistle building stands on cliff in front and W. of light.	677
White, with two black horizontal bands, square, wood, with dwelling attached.	54	1876	.....	Marine telegraph and signal station.	679
White, with a red horizontal band, square, wood, with dwelling attached.	39	1870 re-built 1875	.....	.....	681
White, with two black vertical stripes, square, wood.	32	1871 re-built 1875	Cotton powder bombs exploded every 15 minutes; and every 5 minutes when vessels' signals are heard in dangerous proximity.	Visible from all points of approach seaward. Marine telegraph and signal station. Fog signal derrick stands on face of cliff, 106 feet E. of light.	683
White, with a red vertical stripe, octagonal, on top of dwelling.	43	1871	.....	.....	685
White, with two red horizontal bands, circular, stone, clapboarded.	90	1830	Cotton powder bombs exploded every 15 minutes; and every 5 minutes when vessels' signals are heard in dangerous proximity.	Marine telegraph and signal station.	686

LAWRENCE.

White, with a black cross, square, wood, with dwelling attached.	39	1873 moved 1883	.....	Marine telegraph and signal station.	690
Lantern on a mast with shed at base, painted white.	20	1885	.....	Guide into Matane River.	691
White, square, with red roof, and dwelling attached.	40	1874	.....	Marine telegraph and signal station.	693
Lantern on mast, with white diamond beacon	20	1891	.....	This range is intended to lead into the river over sand bar, which extends over a mile outside Bersimis Point.	695
Lantern on mast, with white diamond beacon.	30	1891	.....		696

PROVINCE OF

RIVER ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
698	FATHER POINT.....	On the point.....	48 31 30	68 27 40	Rev. white, 20 secs.	C	48	12
700	PORTNEUF.....	Near point of peninsula forming E. shore of Portneuf R. at its mouth.	48 37 15	69 5 10	F. white.....	C	40	11
702	BICQUETTE ISLAND..	Near centre of island..	48 25 18	68 53 0	Rev. white, 45 seconds.	C	109	17
704	GREEN ISLAND.....	On N. point of island..	48 3 17	69 25 5	F. white.....	C	47	13
705	RED ISLET LIGHT-SHIP.	In 20 fathoms of water, on the S. edge of Red Islet bank.	48 6 32	69 29 12	F. white.....	{ D, 7 D, 7	{ 34 22	{ 12 .. }
707	RED ISLET.....	On centre of islet	48 4 20	69 33 0	Gp. Rev. white, 3 flashes, 10 seconds apart followed by eclipse of 30 seconds; complete revolution 50 seconds.	C	68	12
708	LARK ISLET.....	Entrance to River Saguenay.	48 6 45	69 40 50	F. white.....	C	40	11

RIVER

712	ANSE ST. JEAN.....	On pier head, S. side of St. Jean Bay.	48 14 44	70 10 44	F. white.....	D, p..	16	8
713	ST. ALPHONSE.....	On pier head, bottom of Ha Ha Bay.	48 21 1	70 53 0	F. white.....	C ....	.....	.....
715	POSTE ST. MARTIN.	Front light on S. side of river, 200 feet from bank.	48 26 34	70 57 55	F. white.....	C	18	9
716		Back light 830 ft. N. 52° 45' W. from front light.	.....	.....	F. white.....	C	39	11
717	RIVER VALIN.....	Front light on N. bank, E. of mouth of river Valin.	48 27 50	70 58 28	F. white.....	C	18	9
718		Back light N. 25° W. 710 ft. from front light.	.....	.....	F. white.....	C	35	11

QUEBEC—Continued.**LAWRENCE—Continued.**

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, with a black horizontal band, square.	52	1859	Cotton powder bombs exploded every 15 minutes; and every 5 minutes when vessels' signals are heard in dangerous proximity.	Pilots stationed here. Marine telegraph and signal station.	698
White, with two red vertical stripes, square wood.	38	1873		Marine telegraph and signal station.	700
White, circular, stone, boarded. Fog-alarm building white, with red roof, wood.	74	1844	Steam horn sounds blasts of 10 seconds' with intervals of 50 seconds.	Horn established 1889, 50 feet N. of lighthouse. If this horn is disabled a similar signal will be given from a building 100 feet E. of tower.	702
White, polygonal, stone, clapboarded; brown, wooden dwelling attached.	56	1809	Cotton powder bombs exploded every 15 minutes; and every 5 minutes when vessels' signals are heard in dangerous proximity.		704
Red, schooner rigged, with the words "Red Island Light-ship" on each side.	.....	1871	Steam-whistle sounds 10 seconds in every minute.	Follows ice down from Quebec every spring. Leaves her station every autumn on the 15th November.	705
Grey, stone, circular surmounted by red iron lantern; white dwelling with brown roof attached.	64	1848			707
White, square, wood, standing on cribwork, with white dwelling near by.	40	1872	Steam-horn sounds a blast of 8 seconds in every 38 seconds.	Horn in a gray wooden building with brown roof, about 250 feet S.W. by S. from lighthouse.	708

SAGUENAY.

Brown pole, beside freight shed on outer end of wharf.	16	.....	.....		712
Brown pole, rising from freight shed.	.....	.....	.....		713
White, rectangular, wood	20	1873	.....	Alignment leads through the middle of the deep water channel clear of the flats off Anse au Foin and the east extremity of the Batture aux Loups Marins to intersection with River Valin range.	715
White, square, wood, with diamond beacon facing alignment.	38	1873	.....		716
White, square, wood, with diamond slat-work facing alignment.	19	1873	.....		717
Lantern hoisted to top of slatted framework, with shed at base, white, with red roofs.	35	1873	.....	Alignment leads N.W. by N. $\frac{1}{2}$ N. towards north shore to intersection with Savard range.	718

PROVINCE OF

RIVER

No.	Name.	Location.	Latitude N	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
719	SAVARDS.....	Front light on N. bank, east of river Caribou.	48 27 49	70 59 58	F. white.....	C....	16	8
720		Back light, N. 48° W., 490 feet from front light.			F. white.....	C....	39	11
721	RIVER CARIBOU...	Front light on N. bank W. of river Caribou, in alder swamp.	48 27 30	71 0 49	F. white.....	C....	14	8
722		Back light, N. 62° 30' W. 720 feet from front light.			F. white.....	C....	32	10
723	RIVER DU MOULIN.	Front light on S. bank, E. of mouth of river du Moulin.	48 26 17	71 1 48	F. white.....	C....	32	10
724		Back light in trees on hill side, 400 ft. S. 55° 30' W. from front.			F. white.....	C....	56	13
725	CHICOUTIMI.....	On outer end of wharf.	48 26 7	71 3 5	F. red down riv. white across river.	C....	.....	8

LAKE

730	ROBERVAL RANGE.	On beach at high water mark.			F. red incandescent light.	C....	15	5
731		Back light 95 feet from front light.			F. red incandescent light.	C....	30	5
733	POINTE BLEUE.....	Extremity of point...			F. white.....	D, p.	28	5

RIVER ST.

	BICQUETTE ISLAND..	See above, No. 702.						
	GREEN ISLAND.....	See above, No. 704.						
736	WHITE ISLAND REEF LIGHT-SHIP.	In 8 fathoms off the N. E. extremity of White Island Reef.	47 58 45	69 37 35	Two F. white, one on each mast.	D, 7.. D, 7..	24 27	10 10
738	BARRETT LEDGE GAS AND BELL BUOY.	In 2½ fathoms on middle of Ledge.	47 53 11	69 37 5	Occ. white.....	D. Gas	14	8
739	RIVIÈRE DU LOUP....	On end of Government Wharf.	47 50 59	69 34 1	F. white.....	D, 7..	36	11

QUEBEC—Continued.

SAGUENAY—Concluded.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood, with diamond day mark facing alignment.	17	1873	.....	Alignment leads N.W. $\frac{1}{2}$ W. along N. part of channel to intersection with River Caribou range.	719
White, square, wood, with irregular beacon attached.	31	1873	.....		720
White, square, wood, with beacon facing alignment.	17	1873	.....	Alignment leads W.N.W. to intersection with River du Moulin range, opposite mouth of River Caribou.	721
Lantern on a mast with diamond-shaped day-mark.	32	1873	.....		722
White, square, wood, with irregular beacon facing alignment.	18	1873	.....	Alignment leads S.W. by W. towards south shore of river, opposite Cape St. François.	723
do do	24	1873	.....		724
Brown pole rising through roof of freight shed.	.....	.....	.....	Leads to public wharf.....	725

ST. JOHN.

Lantern on a mast	16	1889	.....	To lead vessels through channel up to Roberval wharf.	730
Lantern on a mast....	25	1889	.....		731
Lantern on mast, with red shed at base.	25	1898	.....	.....	733

LAWRENCE—Continued.

Painted red, with "White Island Reef" in white on each side	.....	1893 Gas buoy 1886	8-in. steam-whistle, sounds blast of 8 secs., interval 8 secs., blast 8 secs. then interval of 2 min. and 20 secs.	.....	736
Red iron pillar buoy with "Barrett Ledge" in white, surmounted by lantern and bell.	.....	1886	Bell rung by motion of buoy.	Light cannot be depended upon.... From the buoy Brandy Pots Light bears W. $\frac{1}{2}$ N. 2 $\frac{1}{2}$ miles, and Rivière du Loup Light S.S.E. 2 $\frac{1}{2}$ miles.	738
White, square, wood..	35	1882	.....	Marine telegraph and signal station	739

PROVINCE OF

RIVER ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
740	BRANDY POTS.	84 yards from S. E. end of Islet. .	47 52 31	69 40 41	F. white.	D, 4..	57	10
742	PILGRIM SHOAL GAS AND BELL BUOY.	On W. end, in 4 fathoms	47 45 50	69 43 35	Occ. white.	D. Gas	14	8
743	LONG PILGRIM.	40 yards W. of centre of Island, and 108 yards S. from water's edge.	47 43 8	69 44 40	F. white.	D, 4..	180	12
746	CAPE SALMON.	On N. E. extremity of Cape.	47 46 20	69 54 8	Rev. white, 15 seconds.	C	77	14
749	GRANDE ISLE, KAMOURASKA.	240 yards from N. E. end of Island, 160 yards from water's edge.	47 37 30	69 51 28	Rev. white, 30 seconds.	C	109	18
751	CAP A L'AIGLE.	On outer end of pier. .	47 39 45	70 5 32	F. white.	D, p..	38	6
752	MURRAY BAY.	On outer end of pier ..	47 37 23	70 8 19	F. white.	D, p..	30	10
753	STE. IRÉNÉE.	On outer end of Government wharf.	47 34 19	70 11 53	F. red to eastward or down stream, white to southward and westward.	D, p..	32	7
754	POINTE AUX ORIGINAUX.	On a wharf, River Ouelle.	47 29 23	70 1 34	F. white.	C	34	10
756	GOOSE CAPE OR CAP AUX OIES.	Charlevoix County.	47 29 26	70 13 50	F. white.	C	53	12
758	LES EBOULEMENTS. .	On outer end of pier at Cap St. Joseph.	47 27 2	70 21 54	F. white.	D, p..	22	5
759	ISLE AUX COUDRES. .	On outer end of pier. .	47 25 22	70 23 31	F. white.	D, p..	26	5
760	BAY ST. PAUL.	On a wharf in middle of the Bay.	47 24 38	70 28 46	F. white.	C	33	10

QUEBEC—Continued.

LAWRENCE—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Gray, circular, brick, metal lantern and dwelling roofs red, dwelling walls white.	39	1862	.....	Tower rises out of centre of a square wooden dwelling.	740
Iron pillar buoy painted black with "Pilgrim Shoal" in white, surmounted by lantern and bell.	.....	1886	Bell rung by motion of buoy.	Light cannot be depended upon. . . . From buoy Long Pilgrim Light bears S. W. by S. $\frac{1}{4}$ S. distant 3 miles.	742
White, with lantern roof red. Circular, brick.	39	1862	.....	Tower rises out of centre of a square wooden dwelling.	743
White, square, wood. Red iron lantern. Tower rises from middle of S.E. face of dwelling.	46	1894	Steam horn gives blasts of 8 seconds with intervals of 22 seconds.	Locally known as Pointe des Roches.	746
White, square, wood, with dwelling attached. Iron lantern and dwelling roofs red.	39	1862	.....		749
Lantern on a mast. . . .	35	1882	.....		751
Lantern on roof of shed on wharf, roof red, lantern white.	27	1882 im- prov'd 1890	.....		752
Square lantern on apex of roof of drab, wooden freight shed with brown roof.	31	1901	.....		753
White, square, wood. . .	28	1875	.....		754
White, square, wood, with dwelling attached.	42	1876	.....		756
Lantern on roof of shed	18	1882	.....		758
Lantern on a mast	20	1882	.....		759
White, square, wood, dwelling attached.	30	1876	Bell rung by hand answers signals from vessels.		760

PROVINCE OF

RIVER ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
762	MIDDLE GROUND GAS BUOY.	Near E. end of the S. Traverse.	47 24 37	70 13 48	Occ. white, 6 secs.	D, Gas	10	8
763	LOWER TRAVERSE LIGHTSHIP.	In 4½ fathoms on E. side of S. Traverse at its lower end, 1½ miles N.E. ¼ N. from pier; and near northern end of St. Roch shoal.	47 21 28	70 15 10	Two F. white and one F. red. One F. white at each mast head and red on stay between the masts.	D, 7. D, p. D, p.	31 25 49	9
764	UPPER TRAVERSE...	On pier on N.W. edge of St. Roch Shoal; and nearly 4 miles N.W. by W. from St. Roch Church.	47 19 55	70 16 10	Occ. white, visible 8 secs., eclipsed 8 secs.	D, 3.	47	12
765	UPPER TRAVERSE GAS BUOY.	In 4½ fathoms, 4½ cables N.W. ¾ W. from Upper Traverse Lighthouse.	47 20 5	70 16 45	Occ. white	D, Gas	10	4
767	CHANNEL PATCH GAS BUOY.	On the Patch in 3 fathoms.	47 14 33	70 19 35	Occ. white	D, Gas	14	8
768	STONE PILLAR.	100 yards from S. point of Islet.	47 12 25	70 21 36	Rev. white 30 seconds.	C....	83	14
769	ALGERNON ROCK....	In channel, S. E. of Stone Pillar.	47 12 11	70 21 15	F. white	D, 6.	36	6
772	BEAUJEU BANK E. END GAS BUOY.	In 3 fathoms on Shoal.	47 6 13	70 27 56	Occ. white	D, Gas	10	8
773	BEAUJEU BANK W. END GAS AND BELL-BUOY.	In 3½ fathoms on Shoal.	47 4 11	70 30 37	Occ. white 6 seconds.	D, Gas	14	8
776	CRANE ISLAND.	On outer end of pier, 1½ miles from W. point of Island.	47 2 47	70 32 50	Occ. white obscured 4 seconds in every 30 seconds.	D, 7.	48	12

QUEBEC—Continued.

LAWRENCE—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Iron cylindrical buoy painted red with "Middle Ground" in white letters, surmounted by a conical slatwork and a lantern.	.....	1893	.....	Light must not be depended upon.	762
Red, with words "Lower Traverse" in white on each side. Two masts, with red ball at main top mast head.	.....	1836 last refitted 1889	Steam-whistle gives blasts of 12 seconds with intervals of 48 seconds.	The ball or main mast light will be lowered, if from any cause the light-ship moves from her station.	763
White, square, wood, with dwelling attached, on black cribwork pier, pointed sloping ends, steel sheathed. Red, polygonal, iron lantern.	42	1871 changed 1899	Bell rung by hand.	Visible from all points of approach. In range with Algernon rock marks closely position of lower Traverse lightship. From middle of channel off lightship, course upwards is S.W. $\frac{1}{4}$ W. From off light the bearing S.W. $\frac{1}{4}$ S. leaves Channel Patch gas buoy on starboard.	764
Red, iron, cylindrical buoy.	.....	1901	.....	Marks the N.W side of deep water channel. Light must not be depended on.	765
Iron pillar buoy checkered, black and white with "Channel Patch" in white, surmounted by bell and lantern.	.....	1886	Bell rung by the action of the waves.	Light must not be depended on. From buoy Stone Pillar Light bears S.W. $\frac{1}{4}$ W. 2 $\frac{1}{2}$ miles.	767
Grey, circular, stone, surmounted by red metal lantern. White dwelling with brown roof near by.	52	1843	.....	.....	768
White, square, wood, surmounted by iron lantern with red roof, on black cribwork pier.	32	1878	.....	Rock covers at half flood.	769
Iron spherical buoy, black and red horizontal bands, with "Crane Island Flats" in white, surmounted by red lantern.	.....	1886	.....	Light must not be depended on. From it Crane Island light bears S. W. by W. $\frac{1}{4}$ W. 5 miles.	772
Iron pillar buoy red and black horizontal bands with "Beaujeu Bank" in white; surmounted by a bell and by lantern.	.....	1886	Bell rung by the action of the waves.	Light must not be depended on. From buoy Crane Island light bears S.W. by W. $\frac{1}{4}$ W. 2 $\frac{1}{2}$ miles.	773
White, octagonal, wood with red iron lantern.	48	1862 rebuilt 1885	.....	Light, 20 seconds; dark, 1 seconds.	776

PROVINCE OF

RIVER ST.

No.	Light.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
778	ST. THOMAS DE MONTMAGNY.	At outer end of Government Wharf.	46 59 26	70 33 15	F. red.	D, p.	26	3
779		Back range, 1,971 feet S. $\frac{1}{4}$ W. from front light.	.....	.....	F. white.	D, p.	44	3
780	ST. THOMAS BANK GAS BUOY.	In 5 fathoms on outer end of St. Thomas Bank.	47 1 25	70 35 2	Occ. white, visible 8 secs., eclipsed 7 secs.	D. Gas	10	4
781	GROSSE ISLE GAS BUOY.	On W. end of Margaret Island Bank in $3\frac{1}{2}$ fathoms.	47 0 25	70 39 9	Occ. white.	D. Gas	10	8
785	MONTÉE DU LAC OR CAP BRULÉ.	On slope of cape above Cap Rouge.	47 6 35	70 43 3	F. white.	C.	148	15
786		Front range light, 60 feet N. 16° W. from main light.	.....	.....	F. white.	C.	128	15
787		Back range light, 330 feet N. 33° E. from front light.	.....	.....	F. white.	C.	158	15
789	ST. FRANÇOIS.	E. end, Island of Orleans.	46 59 52	70 49 10	F. white.	C.	77	14
790			47 0 13	70 49 5	F. white.	C.	30	10
792	BELLECHASSE.	On summit of Bellechasse Island, near its east end.	46 56 12	70 45 53	F. white.	C.	54	12
793	MADAME ISLAND REEF GAS BUOY.	W. end of reef in 6 fathoms.	46 56 0	70 50 32	Occ. white.	D. Gas	10	8
795	ST. JEAN.	On the extremity of the wharf, Island of Orleans.	46 54 54	70 53 51	F. white.	C.	30	10
797	ST. LAURENT.	On the extremity of the wharf, Island of Orleans.	46 51 31	71 0 29	F. white.	D, 7.	40	11
798	STE. PETRONILLE ...	On W. extremity of point, western end of Island of Orleans; and E. of Quebec and Orleans ferry wharf.	46 50 43	71 7 58	Occ. white.	D, 7, Gas.	33	3

QUEBEC—Continued.

LAWRENCE—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White open framework tower.	26	1883 reb't	}		778
White open framework tower.	36	1897 1897		A guide to enter harbour only.	779
Black spherical iron buoy, with "St. Thomas Bank" in white, surmounted by lantern.	.....	1899		Light must not be depended on ... Visible from all points of approach by water.	780
Red spherical, iron buoy, with "Quarantine" in yellow, surmounted by small red lantern.	.....	1887		To enable vessels to call at Quarantine Station by night. From buoy S.W. extremity of Margaret Island bears N.E. $\frac{1}{2}$ E. $1\frac{1}{4}$ miles.	781
White, square, wood, dwelling near by.	34	1870		Coast light.	785
Open framed tower....	24	1875	}		786
Open framed tower....	34	1875		Range lights. Lead between Traverse Spit and Brulé Bank.	787
White, square, wood, lantern roof red.	30	1875	}	Alignment leads through North Channel Traverse. Should be opened $\frac{1}{2}$ sail's breadth to W. in passing chequered buoy, and then closed again.	789
White, square, wood, lantern roof red.	28	1875			790
White with red roofs, square, wood, with dwelling attached.	40	1862			792
Iron spherical, buoy painted red with "Madame Island Reef" in white, surmounted by a small red lantern.	.....	1887		Light must not be depended on...	793
White, square, wood. Lantern roof red.	30	1874			795
White, octagonal, wood. Iron lantern with red roof.	40	1869		The light kept open of point to westward, clears Maranda Rocks.	797
Square, wood, painted a light green colour.	34	1901		Visible from all points of approach by water.	798

PROVINCE OF

RIVER ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
	ORLEANS CHANNEL.							
	MONTÉE DU LAC.	See above, 785.						
801	ST. E. FAMILLE FRONT RANGE.	On beach near stone mill, south side of channel.	46 57 50	70 58 48	F. white.	C	50	12
802	ST. E. FAMILLE BACK RANGE.	2,671 feet, N. 70° E. from front light, on top of hill and about $\frac{1}{4}$ mile S.W. from church.			F. white.	C	245	16
803	ST. PIERRE FRONT RANGE.	On beach on south side of channel, on point at narrowest part.	46 55 37	71 2 37	F. white.	C	20	9
804	ST. PIERRE BACK RANGE.	539 feet S. 59° W. from front light, in low field			F. white	C	50	12
805	ANGE GARDIEN FRONT RANGE.	On beach on point between Montmorency Falls and L'Ange Gardien Village.	46 53 59	71 7 24	F. white.	C	20	9
806	ANGE GARDIEN BACK RANGE.	1,420 feet N. 44° E. from front light, on hill side.			F. white	C	33	11
811	QUEBEC, FRONT RANGE.	N.E. corner of Princess Louise Embankment near Immigration Offices.	46 49 17	71 12 15	F. red, electric.	Arc light.	43	8
812	QUEBEC, BACK RANGE.	On cross wall, Princess Louise Basin, 1690 feet W. S. W. from front light.			F. red, electric	Arc light.	103	8
813	POINTE À BASILE RANGE.	Front light 260 feet E. from extremity of point.	46 43 49	71 20 0	F. white.	C	93	15
814		Back light 4,100 feet E. $\frac{1}{2}$ S. from front light.			F. white.	C	200	20
815	TREMBLES SHOAL GAS BUOY.	In 7 fathoms off S.E. extremity of shoal.	46 41 10	71 33 20	Occ. white.	D. gas	14	8

QUEBEC—Continued.

LAWRENCE—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Mast, with white shed at base.	50	1885	.....	These two in one lead through best water clear of all obstructions from intersection with St. Pierre range off Batture des Islets to intersection with L'Ange Gardien range off Pointe au Pavillon black buoy.	801
White, with red roof, square, wood.	21	1885	.....		802
White, with red roof, square, wood.	23	1885	.....	These two in one lead clear of all obstructions from mid-channel opposite Ste. Famille Wharf to intersection with Ste. Famille Range.	803
Mast, with white shed at base.	50	1885	.....		804
White, with red roof, square, wood.	23	1885	.....	These two in one lead clear of all obstructions from intersection with Ste. Famille Range to junction of Orleans channel with ship channel opposite W. point, Island of Orleans.	805
White, with red roof, square, wood.	21	1885	.....		806
Mast rising from small brown wooden tower.	40	1891	.....	Front light visible from all points of approach by water, back light in and over a small arc on each side of line of range. In one guide vessels to the Commissioners' Wharf.	811
Shown from E. face of unpainted wooden marine tower covered with galvanized iron.	113	1891 mov'd 1901	.....		812
White, square, wood; red, octagonal, iron lantern.	49	1900	.....	Front light visible from all points of approach by water, back light visible in line of range. In descending the two lights should be brought in one bearing E. $\frac{1}{2}$ S. when abreast of Frechette Islands, and kept in one till Confederation Point is abeam.	813
White, square, wooden shed, surmounted by white, rectangular, slatted day beacon.	11	1900	.....		814
Red iron spherical buoy, with "Trembles Shoal" in white, surmounted by a small red lantern.		1890 buoy 1892		From the buoy, Pointe aux Trembles Church bears N.W., and St. Antoine Church S.W. $\frac{1}{2}$ W.	815

PROVINCE OF

RIVER ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
816	ST. ANTOINE RANGES.	Front light of upstream range. On W. side of St. Antoine Point, 2,640 feet N. 56° W. from St. Antoine Church.			F. white, visible in line of range.	C	36	6
817		Back light of upstream range and front light of downstream range. On black cribwork pier on E. side of St. Antoine Point, 826 ft. N. 88° 30' E. from front light of upstream range.	46 40	3 71 34 51	F. white, visible all points approach.	D, 7..	68	9
818		Back light of downstream range, 825 ft. S. 65° W. from front light of downstream range.			F. white, visible all points approach.	C	203	16
819	STE. CROIX, FRONT RANGE.	On edge of bank, 2 miles below Ste. Croix village.	46 37 45	71 42 30	F. white.....	C	186	8
820	STE. CROIX, BACK RANGE.	1,400 feet S. E. $\frac{1}{4}$ E. from front range.			F. white....	C ...	238	8
821	STE. CROIX GAS BUOY.	Off W. extremity of Paget Bank or Ecur-euil Shoal.	46 38 26	71 43 59	Occ. white.....	D. gas	10	8
822	STE. CROIX.....	On shore, near high water mark, and $\frac{1}{4}$ mile N. of church.	46 37 45	71 44 10	F. white	C	41	6
823	PORTNEUF.....	On N. shore, $\frac{1}{4}$ mile off the river.	46 41 48	71 52 10	F. white	C . .	120	5
824		540 feet N.E. of front light.			F. white.....	C ...	200	5
825	BARRE À BOULARD.	Back range on edge of cliff in axis of dredged channel.	46 39 37	71 52 42	F. red.....	C	118	11
826		Front range on Richelieu Island reef, 10,400 feet S. 70° W. from back range.			F. red	D, 7..	40	7

QUEBEC—Continued.

LAWRENCE—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood, lantern red roof.	30	1902	.....		816
Brown, square, steel skeleton tower; enclosed upper part white, wood; lantern roof red.	65	1902	.....	Vessels on leaving Pointe à Basile alignment take that of St. Antoine Point traverse range lights, S. 65° W., keeping it until gas buoy is passed, when they shape a course S. 81½° W. to get on the alignment of the upstream range, keeping that until past buoy 32 Q.	817
Brown, square, steel skeleton tower; enclosed upper part white, wood; lantern roof red.	65	1902	.....		818
White, square, wood..	23	1899	.....		819
White, square, wood..	54	1899	.....	To show the centre of dredged channel through St. Croix Bar.	820
Red iron cylindrical buoy, with "St. Croix" in white, surmounted by a small red lantern.	.....	1890 buoy 1892	.....	To mark N. edge of dredged, cut at lower end.	821
White, square, wood..	41	1842	.....	A small light to assist in keeping in channel for some distance up and down the river.	822
White, wood; lantern on roof of dwelling.	30	1842	.....		823
White, stone.....	26	1842	.....	Lead up Richelieu Channel to the light on Richelieu Island.	824
White, square, wooden shed with black stripe down middle, surmounted by day beacon similarly coloured.	10	1899	.....	Front light visible from all points of approach by water; back light in and over small arc on each side of line of range.	825
White, octagonal, wood, on red brown circular pier, red iron lantern.	42	1899	.....	Lead up through axis of 500-foot channel and give good water nearly to Batture Simon, buoy No. 68 Q. To clear this open lights to southward. After passing buoy close gradually till Horse-back bar marks are on.	826

PROVINCE OF

RIVER ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
827	PLATON	On S. side, $1\frac{1}{2}$ miles below Richelieu Island.	46 39 13	71 53 8	F. white.....	C	130	12
828		507 feet E. by N. $\frac{1}{2}$ N. from front light.			F. white.....	C	152	12
829	RICHELIEU.	Centre of Island.....	46 38 25	71 54 51	F. white.....	C	27	6
830	LOTBINIÈRE	On S. shore, a mile above the church.	46 37 10	71 56 21	F. white.....	C	23	8
831		2,850 feet S.W. by W. $\frac{1}{4}$ W. from front light.			F. white.....	C	35	10
833	LANGLAIS POINT....	On S. shore, $\frac{3}{4}$ mile below Great Chêne River.	46 35 5	71 59 35	F. white.....	C	35	5
835	STE. EMÉLIE.....	On top of bank on S. shore, a mile above village.	46 33 40	72 1 0	F. white.....	C	114	16
836		3,420 feet S. $70^{\circ} 30'$ E. from front light.			F. white.....	C	131	16
838	CAPE CHARLES....	Front light on extreme of Cape.	46 33 37	72 4 20	F. white.....	C	92	6
839		Lower back light 80 yards S. 67° E. from front light.			F. white.....	D, 7...	120	6
840		Upper back light at top of steep cape, 1,250 feet S. 69° W. from front light.			F. white.....	C	145	12
841	GRONDINES.....	On flats, N. shore, about $1\frac{1}{2}$ miles above church.	46 35 25	72 5 0	F. white.....	C	25	5
842		In village, 1,350 yards E. N. E. from front light.			F. white.....	C	60	5

QUEBEC—Continued.

LAWRENCE—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White with black vertical stripe facing channel, square, wood.	7	1824	.....	Lead through Richelieu Rapids and across Barre à Boulard.	827
White with black vertical stripe facing channel, octagonal, wood.	24	1816	.....		828
White, octagonal, stone	35	1816	<i>discontinued</i> 1916	This light and the lights on Platon Point are very nearly in the same bearing, viz.: N. 73° E.	829
White, with red roof, square, wood.	17	1871	.....	To enable vessels to go through Richelieu Channel.	830
White, with red roof, square, wood.	17	1871	.....		831
White, square, wood...	8	1844	.....	To show off Batture des Grondines, and to avoid Batture Cordin, and as a steering point for Richelieu.	833
White, square, wood, with red vertical stripe on side facing alignment.	30	Built 1880 lit 1898	.....	Lights, in one N. 70° 30' W., lead midway between the red and black buoys from the curve at Cap Charles to the curve at Cap à la Roche. The channel marked by this range is 300 feet wide. Back light visible from all points of approach in the channel.	835
do do ..	30	Built 1880 lit 1898	.....		836
White, polygonal, wood	12	1856	.....	Front light and lower back light in one lead between Cap à la Roche and Cape Charles. Front light and upper back light in one, bearing S. 69° W., lead through axis of dredged channel through Horse-back bar to intersection of alignment of Ste. Emélie range.	838
Lantern on a mast....	40	1856 changed 1890	.....		839
Red, square steel skeleton tower; enclosed upper part white, wood.	61	1901	.....		840
White, with red vertical stripe, square, wood.	25	1857	.....	Lead to upper entrance of Cap à la Roche Channel.	841
White, with red vertical stripe, octagonal, wood.	40	1857	.....		842

PROVINCE OF

RIVER ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
845	ST. PIERRE DES BECQUETS.	S. shore, summit of St. Pierre Point.	46 29 58	72 12 0	F. white	C	85	5
846	BATISCAN	N. shore $\frac{1}{2}$ mile below Batiscan Church, about 600 feet from shore.	46 30 35	72 15 0	F. white	C	20	4
847		2,050 feet W. by S. $\frac{1}{2}$ S. from front light.			F. white	C	42	4
849	CITROUILLE POINT.	On pier on beach, N. shore.	46 27 12	72 16 10	F. white	D, 7..	40	11
851	CHAMPLAIN.	300 yards above village church.	46 26 26	72 20 55	F. white	C .	34	6
852		750 feet N. E. by E. from front light.			F. white	D. p..	60	6
855	CAPE MADELEINE, LOWER RANGE.	230 feet from river bank on N. shore, $2\frac{1}{2}$ miles below Cape Madeleine church.	46 23 46	72 27 18	F. white	C	44	6
856		536 feet N. 60° 30' E. from front light.			F. white	C	54	6
857	CAPE MADELEINE, UPPER RANGE.	Near river bank on N. shore, 2 miles below Cape.	46 23 16	72 28 28	F. white	C	40	6
858		Back tower, 855 feet S. 85° W. from front.			F. white	C	55	6
864	PORT ST. FRANCIS	On a pier near wharf...	46 16 17	72 37 16	F. white	C	14	4
865		On pier, E. by N. $\frac{1}{2}$ N. 550 feet from front light.			F. white	C	31	4
868	POINTE DU LAC.	N. shore	46 16 50	72 40 22	F. white	C	71	12
870	EAST LIGHTSHIP. (No. 3).	Off Pointe du Lac, 9,430 feet S. 70 $\frac{1}{2}$ ° W. from lighthouse.	46 15 55	72 42 15	F. white	D. 7..	22	9

LAKE ST. PETER.

QUEBEC—Continued.

LAWRENCE—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No
White, octagonal, wood	30	1844			845
White, octagonal, wood	18	1844 moved 1879		Lead through channel dredged in Batture Ste. Anne	846
White, octagonal, wood	36				847
White, square, wood, red iron lantern on middle of roof.	41				849
White, square, wood..	23	1844 moved 1879			851
Lantern on a mast	46	1878			852
White, square, wood, polygonal, wooden lantern.	26	1843 moved 1891		The alignment leads into the upper entrance to the channel north of Provencher Shoal.	855
White, square, wood..	36	1843 moved 1891			856
White, octagonal, wood	16	1843		To clear Provencher Shoal, leading through N. channel.	857
White, octagonal, wood	40	1843			858
White, octagonal, wood	18	1849		This range leads up through the dredged channel past Batture à Fer.	864
White, octagonal lantern, on square open frame.	21	1849			865
White, square, wood ; lantern red.	30	1843		In line with E. light-ship S 70½° W. shows centre of dredged channel from middle Traverse up to white buoy bend.	868
Hull red, with "No. 3" in white, fore and aft, white, octagonal, wooden tower, with red lantern roof, amidships.	23			Removed at the approach of winter on account of ice.	870

PROVINCE OF

RIVER ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
871	CENTRE LIGHTSHIP. (No. 2).	Opposite and 2½ miles S.S.E. from Rivière du Loup, at bend of channel.	46 11 35	72 53 20	F. white.....	D. 7..	22	9
872	WEST LIGHTSHIP (No. 1).	N. side of channel, at bend where dredged channel leaves Isle aux Raisins Traverse.	46 9 37	72 56 45	F. white.....	D. 7..	22	9
879	LAKE ST. PETER. ST. FRANCIS RIVER.	(Outer light, at lower end of low grassy islet lying off mouth of River.	46 7 45	72 56 0	F. white.....	C....	12	4
880		(Inner light, at abrupt turn in channel, about ½ mile S. S. easterly from outer one.	.....	.....	F. red.....	C....	12	4
883		(Front light on pier in marsh on N. edge of Island.	46 6 14	72 57 50	F. white.....	C....	30	6
884	ISLE AUX RAISINS.	(Back light on W. edge of Island, 1,998 feet S.S.W. ¼ W. from front.	46 6 0	72 57 56	F. white.....	C....	76	13
885	STONE ISLAND OR ISLE À LA PIERRE.	On E. side of Island...	46 5 54	72 59 40	F. white.....	D, 7..	45	12
888	ISLE DE GRACE.....	On Island.....	46 4 13	73 2 40	F. white.....	C....	28	8
889	SOREL.....	On edge of Richelieu Company's Wharf.	46 2 30	73 7 18	F. red, gas.....	C....	31	3
890		On corner of Wharf, 200 feet S. 3° W. from front light.	.....	.....	F. red, gas.....	C....	39	3
	LAVALTRIE.....	Next light on St. Lawrence River. See No. 931.						

QUEBEC—Continued.

LAWRENCE—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Hull red, with "No. 2" in white, fore and aft, white, octagonal, wooden tower, with red lantern roof, amidships.	23	1816	.....	Removed at the approach of winter. To indicate a bend in the channel.	871
Hull red, with "No. 1" in white letters fore and aft, white, octagonal, wooden tower, with red lantern roof, amidships.	23	1828	.....	Removed at the approach of winter. Defines N. E. extremity of Isle aux Raisins Traverse. 20,550 feet N. N. E. $\frac{1}{4}$ E. from Isle aux Raisins front light.	872
Lantern on a mast, standing in the water.	13	1883	.....	On starboard side of channel, for convenience of vessels entering river. Removed in autumn, and replaced when water becomes low in summer. Movable, to suit shifting sand banks.	879
Lantern on a mast, standing in the water.	13	1883	.....		880
White, octagonal, open frame, on square pier.	20	1843	.....	Alignment leads through the Traverse dredged channel from deep water at upper end of lake to W. light-ship.	883
White, octagonal, wood, on square pier.	64	1863	.....		884
White, octagonal, wooden dwelling, surmounted by red lantern, on pier.		1867 re-built 1897	.....		885
White, octagonal, wood	25	1871	.....		888
Brown, open frame....	29	1863 re-built, 1881	.....	Lead into Richelieu River, but show a channel only available for light draught vessels. The best channel, with least depth of 24 feet, is shown by the alignment of two diamond shaped day beacons, established 1889, on the W. side of the river, and bears S. 37° 15' W.	889
Brown, open frame....	37	1863 re-built, 1881	.....		890

PROVINCE OF

RICHELIEU

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
911	NORTH OF HALF-WAY POINT.	On W. bank of river, about 5 miles above St. Johns.	45 14 3	73 13 45	F. white.....	C.....	22	9
912		N. 17° E., 813 feet from front range tower.			F. white.....	C.....	38	11
913	ST. VALENTINE....	On a pier, 125 feet outside W. shore of river, $\frac{1}{4}$ mile below Isle aux Noix.	45 10 40	73 14 10	F. white.....	C.....	8	2
914		On shore, 345 feet N. W. $\frac{1}{3}$ N. from front light.			F. white.....	C.....	23	1
915	LACOLLE.....	On crib on W. bank of river.	45 4 40	73 18 15	F. white.....	C.....	7	4
916		S. E. of front light.....			F. white.....	C.....	18	6
917	LACOLLE RAILWAY BRIDGE.	Pivot pier 1,040 feet N. 37° W. from Ash Island Light.	45 3 8	73 19 9	F. white and red.....			
920	ASH ISLAND.....	On S. end.....	45 3 0	73 19 0	F. white.....	C.....	44	4
921	BLOODY ISLAND.....	On pier, about $\frac{3}{4}$ mile above Ash Island.	45 2 15	73 19 20	F. white.....	C.....	12	4
	WINDMILL POINT..	U. S. Light.						

QUEBEC—*Continued.*

RIVER.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, irregular octagonal wooden tower, on small pier.	18	1873	.....	These lights in range up the river indicate the channel to St. Valentine.	911
White, square, wood, on posts, partly hidden by woods.	34	1873 mov'd 1885	.....		912
White, irregular octagonal, wooden lantern on small cribwork pier.	12	1873	.....	These lights range across the river S.E. $\frac{1}{2}$ S. and, in line, indicate the channel over the shoal at the foot of Isle aux Noix.	913
White, square, wood...	24	1873	.....		914
White, octagonal, wood	10	1871	.....	These lights range down the river, and, in line indicate the channel to Sturgeon Point.	915
White, octagonal, wood	22	1871	.....		916
.....	.....	1898	.....	Shows white when draw is open, red when closed. Each of four guide piers shows white light. Maintained by C. A. Ry.	917
White, square, wood, with dwelling attached.	42	1875	.....	These two lights form a range.	920
White, octagonal, wood, on black pier.	10	1875 re- built 1884	.....		921

PROVINCE OF

ST. LAWRENCE

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
	SOREL	See above, 889.						
931		Lantern on small pier on shore line, S.E. side of Island.	45 53 15	73 15 50	F. white	C	17	8
932	LAVALTRIE	On small pier 960 feet S.W. $\frac{1}{4}$ S. from front light.			F. white	C	33	10
935		2 $\frac{1}{2}$ miles above Contrecoeur; 2,800 feet back from shore.	45 49 48	73 17 0	F. white	C	53	11
936	CONTRECOEUR TRAVERSE	4,500 feet S.W. by S. $\frac{1}{2}$ S. from front light.			F. white	C	67	13
937		Front on a pier on S. shore $1\frac{1}{4}$ miles N. $56\frac{1}{2}^{\circ}$ E. from Verchères Church.	45 47 30	73 20 15	F. white	C	36	11
938	VERCHÈRES TRAVERSE RANGE.	Back, 1,200 ft. N. 72° E. from front.			F. white	C	43	12
939		Front, on cribwork pier on S. shore a short distance northeasterly from outer end of Verchères wharf.	45 46 52	73 21 28	F. white	C	44	12
940	VERCHÈRES VILLAGE RANGE.	Back, on a hillside in upper part of village, amongst trees.			F. white	C	85	15
941		Front, on cribwork pier off E. extremity of Ile Marie.	45 47 17	73 21 32			39	
942	ILE BOUCHARD RANGE.	Back, on Ile Bouchard, near its S. E. shore, opposite lower end of Ile aux Prunes and N. $51^{\circ} 15'$ E. from front.					75	
943		Front, on cribwork pier on E. shore of Ile Deslauriers.	45 42 47	73 26 30	F. white	C	49	12
944	ILE DESLAURIERS RANGE.	Back, on E. shore of Ile Ste. Thérèse, near its N. end, $1\frac{1}{2}$ miles S. $51^{\circ} 15'$ W. from front, and 1,360 ft. N. from front light of Ile Ste. Thérèse lower range.			F. white	C	73	14

QUEBEC—Continued.

RIVER—Resumed.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, with red vertical stripe on sides facing up and down stream.	13	1831		Range lights leading through Flat Islands Channel.	931
Red, square, open steel frame with red lantern, and white slat-work target with vertical red stripe.	32	1831 re-built 1896		Buildings removed in winter, and lanterns on poles used in spring, while piers are submerged.	932
White, octagonal, wood	13	1857		To lead into Lavaltrie Channel and	935
White, square, wood...	41	1857		Isle Bouchard, and indicate the new channel. To be kept in line till Lavaltrie Lights are brought to bear.	936
White, square, wood; lantern roof red; pier black.	23	1902		These lights indicate axis of ship channel in crossing from straight cut that extends between Contrecoeur and Ile aux Prunes to straight cut that extends between the point above Verchères and	937
White, circular, stone, formerly a windmill. Octagonal, wooden lantern white with red roof.	41	1902		Cap St. Michel curve. Lights visible in, and over a small arc on each side of, the line of range.	938
White, square, wood, lantern roof red; pier black.	31	1902		Lights visible in, and over a small arc on each side of, the line of range.	939
Brown, square, steel skeleton tower; enclosed upper part white, wood; lantern roof red.	65	1902		These lights in one lead from the intersection of their alignment with that of the Contrecoeur range lights to intersection of their alignment with that of the Verchères traverse range lights.	940
White, square, wood, lantern roof red, pier black.	28	Built, 1902		Range lights to be put up in operation when required for deep channel. Towers now used as day beacons.	941
Brown, square, steel skeleton tower; enclosed upper part white, wood; lantern roof red.	65	Built, 1902		In one show axis of channel from Cap St. Michel to Verchères Point.	942
White, square, wood, lantern roof red, pier black.	31	1902		Front light visible from all points of approach in the channel.	943
Brown, square, steel skeleton tower; enclosed upper part white, wood; lantern roof red.	65	1902		Back light visible in, and over a small arc on each side of, the line of range. In one show axis of channel from Verchères Point to Cap St. Michel curve.	944

PROVINCE OF

ST. LAWRENCE

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
945	RÉPENTIGNY	3 mile below Répentinny village.	.....	.....	F. white.....	C.....	14	4
* 946		510 feet N. 22° E. from front one.	45 45	2 73 26 17	F. white.....	C.....	30	4
947	ISLE À LA BAGUE....	On a pier on the Islet.	45 44 14	73 26 15	F. white.....	C.....	24	4
948	ISLE STE. THÉRÈSE, LOWER RANGE.	Front light, near shore on N.E. side of Island.	45 41 22	73 27 43	F. white.....	C.....	22	10
949		Back range, 600 feet S. 50° W. from front.	.....	.....	F. white.....	C.....	48	12
950		On cribwork block, below river bank, on S. shore of island.	45 40 37	73 27 40	F. white.....	C.....	57	6
951	ISLE STE. THÉRÈSE, UPPER RANGE.	About 5,000 feet S. W. 3 S. from back light, on Ile aux Vaches.	.....	.....	F. white.....	C.....	29	6
953	POINTE AUX TREMBLES.	Front range tower in village, close to shore.	45 38 24	73 29 25	F. white.....	C.....	25	4
954		Back range tower 1,800 feet S. 48° W. from front.	.....	.....	F. white.....	C.....	68	14

QUEBEC—Continued.

RIVER—Concluded to Montreal.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, wooden.....	14	1843	.....	To lead through Isle à la Bague Channel, and to avoid Pouillier on N. and shoal on S.	945
White, octagonal, wood	26	1843	.....		946
White, octagonal, wood	18	1831	.....	To indicate the Islet, which is extremely low. Removed in winter on account of ice. Lantern on pole used in spring while pier submerged.	947
White, wooden lantern with red roof; on open post foundation.	16	1855	.....		948
White, with red roof, square, wood.	42	1855 re- built 1839	.....	The lights in range S. 50° W. lead from near Cap St. Michel through centre of dredged channel. Visible over a small arc on each side of the alignment.	949
Upper face red with white vertical stripe, remainder white, square, wood, on pier.	42	1879 mov'd 1884	.....		950
White, with red vertical stripe on upper face, hexagonal, wood, on pier.	23	1879 mov'd 1884	.....	In range lead through dredged channel off Pointe aux Trembles.	951
White, with red stripe, octagonal wood.	23	1846	.....		953
Red, steel skeleton tower; enclosed upper part white, wood.	61	1846 reb't 1900	.....	The lights in one bearing S. 48° W. lead through dredged channel between Ile aux Vaches and Ile à l'Aigle to intersection of alignment of Ile Ste. Thérèse upper range lights.	954

PROVINCE OF

LAKE MEM

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
961	WITCH SHOAL	About $\frac{1}{2}$ mile S.W. from Magog Railway Wharf.			F. white	D, 7	22	9
962	BLACK POINT	On W. side of Lake, 3 miles S.W. from Witch Shoal.			F. white	C	19	8
963	WADLEIGH POINT	On W. side of Lake, 4 miles S.W. $\frac{1}{2}$ S. from Black Point.			F. white	C	26	8
964	GEORGEVILLE	At Wharf, E. side of Lake, 3 miles S.E. by S. from Wadleigh Point.			F. white	C	20	8
965	MOLSON ISLAND	S.W. point of Island, E. side of Lake, about 7 miles southwardly from Wadleigh Point.			F. white	C	28	8
966	LEAD MINES	West side of Lake, 4 miles S. by W. from Molson Island.			F. white	C	18	8
	MAXFIELD POINT	U.S. Light.						
	WHIPPLE POINT	U.S. Light.						
	NEWPORT WHARF	U.S. Light.						

QUEBEC—Continued.**PHREMAGOG.**

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood, on pier rising out of the water.	23	1878 reb't 1900	.....	Visible from all points of approach, except from the westward.	961
White, square, wood, with red roof.	22	1878	.....	.....	962
White, square, wood..	22	1878	.....	.....	963
Lantern on a mast....	22	..	.....	.....	964
White, square, wood..	22	1878	.....	.....	965
White, square, wood..	22	1878	.....	.....	966

PORTIONS OF QUEBEC UNDER THE

RIVER ST. LAWRENCE

No.	Name.	Location	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
971	LACHINE	On end of pier at entrance to canal.	45 26 10	73 40 40	F. white.....	C...	23	6
972		On crib between old and new canals.	.....	.....	F. red.....	D. p.....	.....	.....
976	LIGHTSHIP No. 1	$\frac{1}{2}$ mile above Lachine..	45 25 50	73 42 00	F. red.....	D, 7..	18	6
977	LIGHTSHIP No. 2	$2\frac{1}{4}$ miles above Lachine.	45 24 58	73 44 00	F. white.....	D, 7..	20	6
978	CHATEAUGUAY LIGHTSHIP.	Lightship No. 3, $4\frac{1}{2}$ miles above Lachine.	45 23 45	73 45 15	F. white.....	D, 7..	26	6
979	BEAUHARNOIS.	S. side of lower entrance to canal.	45 19 2	73 54 17	F. white.....	C.....	40	10
980		1242 feet W. S. W. $\frac{1}{4}$ S. from front light.	.....	.....	F. white.....	C.....	50	10
	KNIGHT POINT.....	See No. 1,041 below.						

CONTROL OF THE ONTARIO DIVISION.

ABOVE MONTREAL.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood, with small dwelling attached.	17	1849	.....	.....	971
Lantern on a mast. ....	.....	1889	.....	.....	972
Red hull, with 'Lachine' in white. White, circular iron tower, lantern roof black.	.....	1849	Hand horn answers signals from vessels.	.....	976
Red hull, with "Lake St. Louis No. 2" in white. White circular iron tower, lantern roof red.	.....	1850	Hand horn answers signals from vessels.	.....	977
Red hull, with "Chateauguay" in white. White circular iron tower, lantern roof red.	.....	1849	Hand horn answers signals from vessels.	.....	978
White, square, wood..	27	1850	.....	{ In one lead from Chateauguay Lightship to the lower entrance to Beauharnois Canal.	979
White, square, wood..	27	1850	.....		980

ONTARIO

RIVER

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
	LIGHTSHIP No. 1.....	See No. 976 above.						
985	DORVAL	On a pier N. of channel, between Point Claire Light and Lightship No. 1.	45 26 10	73 45 9	F. white	D, 7..	37	11
986	POINT CLAIRE.....	On a pier N. of channel, about 1 mile S. E. of village.	45 25 17	73 48 8	F. white.....	D, 7..	35	11
987	CARON POINT. . .	Two miles below Ste. Anne Lock, N. side of river.	45 24 8	73 54 41	F. white.	C	28	10
988	ISLE PERROT.....	On small pier on shore line, S. side of channel below Ste. Anne.	45 23 35	73 54 37	F. white with a red and a green sector	D. p..	16	9
990	STE. ANNE DE BELLEVUE.	On pier at S. E. end of dredged channel crib.	45 23 33	73 55 45	F. white.....	C	24	10
991		On N. W. end of channel cribwork, about $\frac{1}{2}$ mile below the lock.	45 23 45	73 56 2	F. white.....	C	24	10
992	POINT À CADIEUX..	Lake of Two Mountains	45 25 35	74 0 44	F. white.....	C	30	8
994	OKA	On Pointe du Lac, or Sandy Point, $1\frac{1}{4}$ miles above village of Oka.	45 28 0	74 6 40	F. white.....	D, 7..	30	8
996	POINT AUX ANGLAIS.	On pier, about 400 yards off the point.	45 29 0	74 8 10	F. white.....	D, 7..	26	10
997	STE. PLACIDE.....	N. side of river, near wharf.	45 31 0	74 9 25	F. white.	D, 7..	15	6
998		930 feet N.E. by E. $\frac{1}{4}$ E. from front light.			F. white.....	C	62	6
999		340 ft. N. by W. of front tower.			F. white.....	C	48	3
1002	L'ORIGINAL.....	On point 120 feet back from water's edge.	45 38 30	74 40 40	F. white.....	D, p..	57	13
1003	McTAVISH POINT..	On pier, on extremity of point.	45 39 15	74 48 0	F. white.....	D, 7..	30	10
1004	PAPINEAUVILLE....	Front range, on N. shore of Bay, $1\frac{1}{4}$ miles E. of Papineauville wharf.	45 38 30	74 59 0	F. white.....	C	20	2
1005		Back range, 282 feet northerly from front light.			F. white.....	C	30	2
1008	WAY SHOAL.....	On low shore, N. side of river.	45 32 0	75 28 45	F. white.....	C	30	8

DIVISION—*Continued.*

OTTAWA.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood, with dwelling attached. Iron lantern, red.	31	1874 re-built 1887			985
White, square wooden dwelling on pier, surmounted by red lantern.	33	1860 reb't 1897			986
White, square, wood..	29	1874 reb't 1878			987
White enclosed tower with red roof, on open framework base.	18	1878 reb't 1895		Red sector shows down river, green up, and white shows line of crossing. The latter is narrow and turns should be made promptly.	988
White, square, wood..	24	1878		These lights guide through the dredged channel below Ste. Anne Lock.	990
White, square, wood..	24	1878			991
White, square, wood, with dwelling attached.	32	1875			992
White, square, wood, on cribwork pier.	28	1898			994
White, square, wood, with lantern roof red.	27	1873			996
White, square, wood..	20	1874		The first light is common to both ranges. In line with the high tower it marks the axis of the up stream dredged channel and in line with the beacon light, that of the down stream one.	997
White, square, wood..	38	1874			998
Lantern in centre of diamond shaped day beacon, on mast.	22	1898			999
White, square, wood..	43	1871 re-built 1897			1002
Mast, with day beacon affixed, and shed at base, all white.	29	1871 ch'ged 1886			1003
Lantern on a mast....	15	1897		Lights in one mark the dredged channel.	1004
Lantern on a mast....	15	1897			1005
Sides alternately red and white, hexagonal, wood.	25	1870			1008

ONTARIO

RIVER

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Lights.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1009	GREEN SHOAL	On pier, S. side of channel, opposite East Templeton, 7 miles below Ottawa City.	45 29 0	75 35 0	F. white	D, 7 . .	38	8
1015	BRITANNIA	S. side of lake at its lower end.	45 21 20	75 48 0	F. white	C	17	8
1017	AYLMER ISLAND.	1½ miles W. of Aylmer village wharf.	45 25 0	75 53 0	F. white	D, p. . .	52	10
1018	BASKINS WHARF.	At inner end of wharf, south shore, about 12 miles above Aylmer.	45 27 40	76 0 30	F. white	D, p. . .	26	10
1019		About ¼ mile easterly from front light.			F. white	D, p. . .	39	11
1020	BUCKOM POINT.	On crib off Point, south shore, about 16 miles above Aylmer.	45 30 20	76 6 50	F. white	D, p. . .	31	10
1022	MORRIS OR VICTORIA ISLAND.	At the head of the Chats Rapids.	45 28 15	76 13 35	F. white	C	29	10
1023	ARNPRIOR ISLAND.	On an islet opposite the Town of Arnprior.	45 27 10	76 17 35	F. red	D, 7 . .	40	8
1024	CAMPBELL ISLAND.	12 miles above Victoria Island, and 3½ above Sand Point.	45 30 0	76 25 45	F. white	C	29	8
1025	COULONGE LAKE	On point on N. side, ½ mile above old Fort Coulonge	45 52 10	76 47 0	F. white	D, p. . .	30	10
1028	LOWER ALLUMETTE LAKE.	On head of Spence Island, opposite Lot 18, E. Range of Allumette Island.	45 48 15	76 54 0	F. white	D, p. . .	24	9
1029	MORRISON OR HAWLEY ISLAND.	About 3 miles below Pembroke.	45 48 0	77 3 25	F. white	D, p. . .	32	10
1031	LOWER NARROWS	On pier, N. side of channel.	45 50 0	77 10 0	F. white	D, p. . .	28	10
1032	FORT WILLIAM	On outer end of wharf.	45 54 45	77 15 45	F. white	D, p. . .	28	10
1033	DEEP RIVER ISLET . . .	At mouth of Deep River	45 59 0	77 16 30	F. white	C		8
1035	MCQUESTION POINT	On S. shore of Deep River, about 22 miles above Pembroke.	46 1 45	77 22 30	F. white	D, p. . .	26	9
1037	SCHOONER ISLAND . . .	In Lake Temiscamingue, 5 miles above Long Sault and 2½ miles below Opemican Narrows.	46 44 0	79 6 25	F. white	D, p. . .	30	....
1038	SOUCIER ISLAND	About 2 miles above Opemican Narrows.	46 46 55	79 10 50	F. white	D, p. . .	30	....

DIVISION—*Continued.*OTTAWA—*Concluded.*

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood, on a brown circular pier, lantern red.	21	1860 reb't 1900		Visible from all points of approach.	1009
White, square, wood.	13	1872			1015
White, square, wood.	34	1883 reb't 1898			1017
Lantern on mast, with white shed at base.	20	1883		These two lights, in range, lead through the deepest channel over Constance Shoal.	1018
Lantern on mast, with white shed at base.	25	1883			1019
White, square, wood.	25	1883 moved 1889		To indicate the low point, and the shoals off it.	1020
White, square, wood, with red lantern.	29	1873			1022
Mast, with white shed at base, on square pier.	30	1885			1023
White, square, wood.	29	1873		Visible up and down the lake.	1024
Mast, with white shed at base.	20	1885			1025
Mast, with white shed at base.	20	1885			1028
Lantern on mast, with brown shed at base.	22	1883		To show the entrance to the Allumette Rapids boom.	1029
Lantern on mast, with white shed at base.	25	1887			1031
Lantern on mast	25	1887			1032
White, square, wood, red hexagonal lantern.	29	1873		Visible up and down stream.	1033
Lantern on mast, with brown shed at base.	22	1883			1035
Lantern on mast, with white shed at base on cribwork pier.	19	1890		Visible as far as configuration of lake allows. To be left on star-board hand in going up.	1037
Lantern on mast, with white shed at base on cribwork pier.	19	1890			1038

PROVINCE OF

RIVER ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
	BEAUHARNOIS.....	See No. 979 above.						
1041	KNIGHT POINT	1st range light, S. side of channel, about 1½ miles from guardlock at upper entrance to Beauharnois Canal.	45 14 47	74 8 50	F. white	C	13	3
1042		2nd range light, on mainland, 93 yards S.W. of 1st range.	.....	.....	F. white	C	19	3
1043		3rd range light, S. side of channel, 396 yards N.W. of 2nd light.	.....	.....	F. white	C	12	3
1044	GROSSE POINT OR VALLEYFIELD.	Main light, N. side of channel, on a pier 304 yards W. of 3rd light.	45 14 48	74 9 22	F. white	C	38	11
1047	COTEAU LANDING.	On Government Pier...	45 14 40	74 13 15	F. white, with a red sector facing east to channel.	C	29	10
1048	MCKIE POINT...	On N. shore.....	45 11 20	74 19 10	F. white	C	36	10
1049	St. ANICET.....	On bar on S. side of channel, 5,700 feet N. ½ E. from church.	45 9 43	74 20 50	F. white	C	31	10
1050	CHERRY ISLAND.	S. side of channel.....	45 7 55	74 22 35	F. white	D, p..	40	11
1051	LANCASTER BAR.	On a pier in the lake, S. side of channel, 3 miles below Lancaster village.	45 7 5	74 25 45	F. white	C	29	8
1052	LANCASTER	On a pier N. side of channel, 1½ miles S.W. from Lancaster village.	45 5 20	74 30 10	F. white	D, 7..	33	10
1054	HAMILTON ISLAND.	Most south-easterly point.	45 3 4	74 32 30	F. white	C	42	10
1056	GLENGARRY OR STONEHOUSE POINT	North shore of river...	45 2 10	74 36 57	F. white	C	42	10
1058	DICKINSON LAND-ING.	S. side of west entrance to Cornwall Canal.	44 59 32	74 54 33	F. white	D, p..	21	3
1060	WINDMILL POINT....	About 1½ miles below Prescott.	44 43 15	75 29 18	F. white	C	92	15

ONTARIO—Continued.

LAWRENCE—Resumed.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood, on pier.	12	1848	.....	When these two lights are brought in one, after leaving the canal, they are to be steered for until the two on the north side of the channel are brought into one.	1041
Red, square, wood, on a pier.	18	1850	.....		1042
White, square, wood, on pier.	12	1850	.....	These two lights passed close to and kept in line lead into deep water in Lake St. Francis.	1043
White, square, wood..	30	1848 re-built 1882	.....		1044
White, square, wood..	28	1848 tower erected 1877	.....	Visible from E.N.E. $\frac{1}{2}$ E. through N. to W. $\frac{1}{2}$ N.	1047
White, square, wood..	30	1847 re-built 1877	.....	Midway between Coteau Landing and Cherry Island.	1048
White, square, wood, red iron lantern, brown steel pier.	31	1891	.....		1049
White, hexagonal, wood, with lantern roof red.	41	1847 re-built 1883	.....	There is 17 ft. water in the channel 100 ft. N. of light.	1050
White, square, wood..	30	1879	Hand horn answers signals from vessels.		1051
White, hexagonal, wood, lantern red.	30	1844 re-built 1896	Hand horn answers signals from vessels.		1052
White, square, wood..	36	1873	.....		1054
White, square, wood, with dwelling attached.	36	1873	.....		1056
White, square, wood..	22	1865 re-built 1891	.....	Leads into the canal from the river, and also shows down the canal.	1058
White, circular, stone..	62	1873	.....		1060

PROVINCE OF

RIVER ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water marks.	Miles seen in clear weather.
1062	HILLCREST GAS BUOY	In 16 feet water, south-east edge of rock, 250 ft. from N. shore, in Narrows W. of Brock Group.	44 33	0 75 43 42	F. white for 10 secs. ; then occulted for 10 secs.	D, gas	.....	.....
1064	COLE SHOAL.....	On pier, 5 miles W. of Brockville, $\frac{3}{4}$ mile from N. shore.	44 32	0 75 45 21	F. white.....	C.....	33	6
1067	GRENADIER ISLAND.	S.W. point of Island, N. side of channel, 2 miles below Rockport	44 23	0 75 54 25	F. white.....	C.....	55	10
1069	LINDOE ISLAND.....	N.W. point of Island, S. side of channel, 5 miles W. of Rockport	44 21	2 76 0 20	F. white.....	D.....	40	7
1070	GANANOQUE N A R R O W S.	N.E. end of Little Slave Island, S. side of channel, 5 miles below Gananoque.	44 19 32	76 4 58	F. white.....	C.....	44	7
1071	JACKSTRAW SHOAL..	N. side of channel, 2 miles below Gananoque.	44 19 28	76 7 15	F. white.....	C.....	34	10
1072	SPECTACLE SHOAL....	N. side of channel, $\frac{1}{2}$ mile W. of Gananoque.	44 18 40	76 11 9	F. white.....	C.....	28	10
1073	RED HORSE ROCK....	S.E. side of channel, 1 mile above Spectacle Shoal.	44 18	8 76 11 32	F. white.....	C.....	28	9
1075	BURNT ISLAND.....	S.E. part of Island, N. side of channel, $\frac{1}{2}$ mile above Red Horse Rock.	44 17 45	76 11 35	F. white.....	C.....	64	10
1078	WOLFE ISLAND.....	On Quebec or E. point.	44 14 17	76 11 10	F. white.....	C.....	46	6
1079	BROWNS OR KNAPP POINT.	Wolfe Island.....	44 13 57	76 24 3	F. white.....	C.....	28	10

ONTARIO—*Continued.*LAWRENCE—*Concluded.*

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Red iron buoy sur- mounted by lantern.	.....	1898	.....	Maintained by the U. S. govern- ment. The best channel is southeast of buoy.	1062
White, square, wood..	31	1856	.....	.....	1064
White square, wood..	37	1856	.....	.....	1067
White, square, wood..	26	1856	.....	.....	1069
White, square, wood..	37	1856	Hand horn answers signals from vessels.	.....	1070
White, square, wood, on a pier in river.	29	1856	.....	A small pier, surmounted by a red drum on a mast, 700 feet S.E. $\frac{1}{2}$ E. from the light, marks the S. edge of the channel.	1071
White, square, wood, on a pier in river.	26	1856	.....	.....	1072
White, square, wood, on a pier at head of Buck Island.	26	1856	.....	.....	1073
White, square, wood..	26	1856	.....	.....	1075
White, square, wood..	39	1861	.....	.....	1078
White, square, wood..	20	1874	Hand horn answers signals from vessels.	.....	1079

PROVINCE OF

LAKE

No.	Light.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1082	BARRIEFIELD COM-MON.	370 ft. E. from end of bridge to Kingston.	44 14	4 76 28 24	F. white.....	C.....	48	12
1083		1500 ft. N.E. N'ly from front light.			F. white.....	C.....	75	12
1084	KINGSTON	City Hall Clock.....	44 13 50	76 28 53	F. white.....	Gas..	107	9
1086	SNAKE ISLAND.....	On pier on bar N. side of channel, 5 miles W. of Kingston.	44 11	9 76 32 11	F. red.....	D, 7..	38	6
1089	NINE MILE OR GAGE POINT.	S.W. Point, Simcoe Island, 9 miles W. of Kingston.	44 9 12	76 33 30	F. white.....	C...	45	12
1090	PIGEON ISLAND..	4 miles from head of Wolfe Island.	44 3 50	76 33 10	Rev. white, 1 min. and 10 sec.	C.....	67	12
1091	OUTER DRAKE OR FALSE DUCKS.	E. point of Island.	43 56	5 76 48 2	F. white.....	D, 3..	68	13
1093	SOUTH BAY POINT..	On Point Traverse	43 56 10	76 51 50	F. red..	C.....	36	10
	(SNAKE ISLAND.	See above No. 1086.						
1096	CENTRE BRO-THER ISLAND	On northernmost point.	44 12 26	76 37 49	F. white.....	D, 7..	31	10
1098	POINT PLEASANT OR IN-DIAN POINT.	Entrance to Bay of Quinte.	44 6 36	76 50 37	F. white.....	D, 7..	52	12
1100	DESERONTO...	On the railway wharf..	44 11 27	77 2 55	F. white.....	D, 7..	44	11
1101	TELEGRAPH IS-LAND.	On cribwork pier on N.W. part of island, Bay of Quinte.	44 9 46	77 7 18	F. white.....	D, 7..	46	12
1103	BELLEVILLE ..	On S.E. edge of shoal at entrance of harbour, 450 feet W. from end of Railway Wharf.	44 9	9 77 22 43	F. white.....	D, 7..	38	11

BAY OF QUINTE AND MURRAY CANAL.

ONTARIO—*Continued.*

ONTARIO.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Red, iron tripod, with white oval beacon at its top and brown shed at base.	50	1892	.....	Headlight lanterns hoisted on the tripods show over a small arc on each side of alignment, which leads inside of Carruthers and Point Frederick Shoals.	1082
Red, iron tripod, with white oval beacon at its top and brown shed at base.	80	1892	.....		1083
Wooden tower on stone building.	96	1844	.....		1084
White, octagonal, wood, on pier, red iron lantern. Boathouse at base.	39	1858 mov'd 1900	.....	Visible from all points of approach by water.	1086
White, circular, stone. Fog-alarm building white, with brown roof.	40	1833 Fog-horn 1894	Steam fog horn, gives blasts of 8 seconds, with intervals of 22 seconds.	.....	1089
White, square, wood, rising from roof of dwelling; roof of iron lantern red.	41	1871	Hand horn answers signals from vessels.	.....	1090
White, circular, stone, iron lantern red.	62	1828	Hand horn answers signals from vessels.	.....	1091
White square, wood, with dwelling attached.	36	1881	.....	.....	1093
White, square, wood, kitchen attached, iron lantern, red.	31	1890	.....	.....	1096
White, octagonal, wood with iron lantern, red.	52	1866	.....	.....	1098
Square tower on roof of freight shed.	46	1885	.....	Lit by gas. Guides to Deseronto from Belleville, Picton and Nanawake.	1100
White, square tower on dwelling.	41	1870	.....	.....	1101
White, square, wood, on octagonal pier.	36	1881	.....	.....	1103

PROVINCE OF

LAKE

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1104	BAY OF QUINTE BRIDGE.	Immediately W. of Belleville.	44 8 36	77 23 7	F. white S. of southern opening; F. white N. of northern opening; red light at each end of draw span when bridge closed; 2 green lights at ends of draw span when open.	.....	18	3
1106	NIGGER ISLAND SHOAL.	In 11 feet of water on N. side of Steamboat Channel.	44 6 32	77 29 53	F. white.....	D, 7..	27	10
1108	BAY OF QUINTE AND MURRAY CANAL CHANNEL.	30 feet from end of N. pier at E. entrance.	44 3 41	77 34 53	F. white.....	D, p..	27	5
1109		Over centre of swing pier Carrying Place highway bridge, 4,725 feet from No. 1108.	.....	.....	F. red and white..	D, p..	35	6
1110		Over centre of swing pier of Central Ontario Railway bridge, 1,500 feet W. from Carrying Place bridge	.....	.....	F. red and white..	D, p..	20	4
1111		Over centre pier of Smithfield bridge, 6,600 feet W. from Railway bridge.	.....	.....	F. red and white..	D, p..	35	6
1112		Over centre of swing pier of Lovatt bridge, 7,700 feet W. from Smithfield bridge and 6,490 feet from W. entrance to canal.	.....	.....	F. red and white..	D, p..	35	6
1113	MURRAY CANAL.	30 feet from end of N. pier at W. entrance.	44 1 58	77 40 35	F. white.....	D, p..	27	5

ONTARIO—Continued.

ONTARIO—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Open truss bridge.....		1891		Centre pier of swing span is 195 feet from S. or Prince Edward Co. shore. A channel 100 feet wide both N. and S. of swing pier. When draw is open vessel will see 2 green lights flanked by 2 white lights and must pass between a green and white light. Maintained by Bridge Co.	1104
White, square, wood, on pier.	27	1891		Vessels upon leaving the swing of Belleville bridge, bound up, steer W. by S. $\frac{3}{4}$ S. directly for the light and pass it leaving it about 300 feet on the starboard hand. Vessels, bound down, after passing the red buoy off Onderdonk Shoal, steer N.E. $\frac{3}{4}$ E. directly for the light. When within 4,000 feet of it they open it half a point on the starboard bow so as to clear the north extreme of the shoal extending from Potters Point. At 2,000 feet distant they change their course so as to pass it, leaving it 300 feet to the northward, and after passing the most easterly black buoy on Potters Point Shoal shape their course directly for the swing of Belleville bridge.	1106
White circular column rising from hexagonal base.	18	1891 reb'tt			1108
Open truss bridge.....		1891			1109
Open truss bridge.....		1891		By day the centres of the swings of the bridges, by night the lights on the same (white if swings are open, red if closed), in one will indicate the middle of the canal and the dredged channel. Each bridge is passed to the south of the swing, which is somewhat to the northward of the axis.	1110
Open truss bridge.....		1891			1111
Open truss bridge.....		1891			1112
White circular column rising from hexagonal base.	18	1891 reb'tt			5113

PROVINCE OF

LAKE

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1115	BRIGHTON RANGES.	No. 3.—7,200 feet from end of canal piers and 3,920 ft. from Brighton wharf, Presqu'île Bay.	44 1 29	77 42 5	F. white.....	C....	29	3
1116		No. 2.—5,360 feet W. by S. $\frac{3}{4}$ S. from No. 3, and 1,440 ft. from Brighton wharf.	.....	.....	F. red.....	C....	45	6
1117		No. 1.—1,420 feet S. E. by E. $\frac{1}{4}$ E. from No. 2, and 1,100 feet from Brighton wharf.	44 1 2	77 42 55	F. white.....	C....	28	6
1118	SALT POINT.....	On extremity of sand spit.	44 0 18	77 40 56	F. white.....	D, p..	22	4
	PRESQU'ÎLE.....	See No. 1,127 below.						
	SOUTH BAY POINT..	See No. 1,093 above.						
1120	POINT PETER.....	On Point.....	43 50 50	77 8 0	Rev. white 35 secs.	C....	62	13
1122	SALMON OR WICKED POINT.	On extremity.....	43 51 50	77 13 50	F. red.....	C....	40	8
1123	SCOTCH BONNET OR EGG ISLAND.	On small island, 1 mile S.W. of Nicholson Island.	43 54 0	77 32 25	F. white.....	C....	51	12
1125	WELLER BAY.....	At S.W. end of Quinte Carrying Place.	44 2 8	77 35 39	F. white.....	C....	26	10
1126		508 feet N.E. $\frac{3}{4}$ E. from front light.	.....	.....	F. red.....	C....	37	7
1127	PRESQU'ÎLE.....	E. point of Peninsula	43 59 54	77 40 30	F. white.....	D, 7..	67	13
	For Murray Canal lights going east-read upwards from No. 1118.							
1130	COBOURG.....	On east pier.....	43 57 10	78 8 35	F. white.....	Gas..	20	8
1131		On east pier head, S. by W. $\frac{1}{4}$ W. 409 ft. outside of corporation light.	.....	.....	F. white.....	D, p..	23	....
1132		On west pier, at elbow, 190 ft. from extremity.	43 57 8	78 8 50	F. red.....	D, p..	26	6
1133	PETER ROCK OR GULL ISLAND.	W. by S., 4 miles from Cobourg.	43 56 10	78 12 10	F. white.....	C....	45	10
1134	PORT HOPE.....	110 ft. from extremity of E. breakwater.	43 56 20	78 14 30	F. white.....	Gas..	40	4

ONTARIO—Continued.

ONTARIO—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood on octagonal pier.	30	1891	.....	No. 3 tower stands in 15 feet water in the axis of the Murray Canal and on the N. side of the channel, which bears S. W. by W. $\frac{3}{4}$ W. In one with No. 2 light leads up from the canal through the centre of the channel, and is to be left 100 feet on the starboard hand in passing up. After being passed, if brought directly astern with No. 1 directly ahead, it will guide through the remainder of the dredged channel.	1115
White, square, wood on square pier.	47	1891	.....		1116
White, square, wood on octagonal pier.	30	1891	.....		1117
White, square, wood..	27	1851	.....	Good water close up to point.	1118
White, circular, stone. Fog - alarm building, white, with brown roof, wooden.	60	1833 Fog- alarm 1890	Steam-horn gives blasts of 20 seconds with intervals of 35 seconds.	Fog-horn close in front of tower, 16 feet above water.	1120
White, square, wood, with dwelling attached.	30	1871	.....	.....	1122
White, circular, stone; dwelling attached.	54	1856	Hand horn answers signals from vessels.	.....	1123
White, square, open framework, wood.	27	1876	.....	Vessels entering keep the lights well open to the northward to clear the spit which makes off the Bald Head and has now reached the line of range.	1125
White, square, wood..	37	1876	.....		1126
White, octagonal, stone	63	1840	.....	.....	1127 •
White, square, wood..	16	1844	.....	Maintained by Town Corporation..	1130
Lantern on a mast....	20	1886	.....	.....	1131
Lantern on a mast....	20	1883 mov'd 1887	.....	Visible from all points seaward	1132
White, circular, stone, surrounded by crib-work pier.	48	1840	.....	On a rock off the point.	1133
White, square, wood..	44	1868	.....	Not under Marine Department...	1134

PROVINCE OF

LAKE

No.	Name.	Location	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1137	NEWCASTLE.....	On outer end of E. breakwater pier.	43 53 35	78 34 0	F. white.....	D 7..	29	10
1138	DARLINGTON.....	Pier head.....	43 52 40	78 38 0	F. white.....	D, 7..		4
1139	OSHAWA.....	Pier head.....	43 52 0	78 47 0	F. white.....			
1140	WHITBY.....	W. pier.....	43 50 45	78 56 0	F. white.....	C and D, p.	12	5
1142	FRENCHMANS BAY OR PICKERING.	E. pier head.....	43 48 55	79 1 55	F. green.....	C.....	51	10
1144	TORONTO EAST PIER.	Front range 100 feet from outer end of East pier.	43 37 48	79 20 20	Occ. red, visible 6 seconds, eclipsed 6 seconds.	D. 6..	43	8
1145		Back range N. W. by N. 2,400 ft. from front light.			F. red.....	D, 7..	18	6
1147		In 5 fathoms off water-works crib.						
1148	GIBRALTAR POINT.....	S.W. side of Point, 1 $\frac{1}{2}$ mile S. of Toronto.	43 37 0	79 22 55	Rev. white, 45 seconds.	C.....	66	14
1149	TORONTO.....	Front range on N. W. corner of Queen's Wharf.	43 37 55	79 24 45	F. white.....	D, p..	23	9
1150		Back range on extension shoreward of Wharf, 215 feet N.E. by N. from front one.			F. red.....	D, p..	37	7
1152	PORT CREDIT.....	At outer end of N. breakwater pier.	43 33 40	79 35 0	F. white.....	D, 7..	37	11
1153	OAKVILLE.....	Near inner end of main pier.	43 26 40	79 40 12	F. white.....	D, 7..	39	11
1155	BURLINGTON BAY.	Main light near middle of S. pier at entrance, 1,570 feet S. W. by W $\frac{1}{2}$ W. from front light.	43 18 20	79 48 25	F. white.....	C.....	75	15
1156		Front range light near outer end of S. pier			F. white.....	C.....	30	4
1157		On inner end of S. pier, 1,300 feet S. 67° W. from main tower.	43 18 15	79 48 47	{ F. red..... F. white.....	{	{ 24 18	{ 6

ONTARIO—*Continued.*ONTARIO—*Continued.*

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, wooden, tower surmounted by iron lantern rising from roof of store house. On a stone house ..	28	1847 im-prov'd 1890		Maintained by the Newcastle Harbour Co.	1137
.....	.....	.....	.....	Not under Marine Department ..	1138
.....	.....	1863	.....	Not under Marine Department ..	1139
Square, wood	8	1844	.....	Not under Marine Department ..	1140
White, octagonal, wood	47	1863	.....	Repaired, 1880.	1142
Red steel skeleton tower, white enclosure and lantern, red roof.	40	1895 reb't 1898	Bell rung by machinery, gives a stroke every 3 seconds.	Visible out on the lake over an arc of 180° from N. N. E. through N. and E. to S. S. W.	1144
Gray, iron, column on hexagonal shed.	11	1898	.....	Lights in one show the line of the pier.	1145
Red iron buoy surmounted by open frame holding bell.	.....	1882	Bell rung by motion of waves.	Maintained by Toronto Corporation S.S.W. $\frac{1}{2}$ W. 3,200 feet from Gibraltar Point lighthouse.	1147
White, hexagonal, stone. Keeper's dwelling near. Fog-horn building of wood, white, with brown roof.	62	1820 Fog-horn 1886	Steam horn sounds blasts of 7 seconds with intervals of 90 seconds.	Fog horn, 1,150 feet S.W. by S. from the lighthouse.	1148
White, hexagonal, wood	23	1856	Bell rung by hand	Visible over an arc of 180°. Maintained by Toronto Harbour Commissioners. Fog bell attached to tower.	1149
Red, octagonal, wood..	35	1838	.....	Visible over an arc of 180°. Maintained by Toronto Harbour Commissioners. The two lights in range lead in through the centre of the buoyed channel 200 feet wide.	1150
White, square, wood ..	36	1863 building 1882	.....	Visible from all points of approach.	1152
White with iron lantern red, hexagonal, wood.	31	1863 re-built 1888	.....	Vessels must allow for position of light and exercise caution in clearing end of pier.	1153
Gray, circular, stone building, iron lantern red.	79	1838	Hand horn answers signals from vessels.	.....	1155
White, circular, wood ..	30	1845	.....	.....	1156
Two lanterns on same mast.	20	1899	.....	Visible from all points of approach in Burlington Bay. To guide to the canal from Hamilton and Burlington Bay.	1157

PROVINCE OF

LAKE

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1158	PORT DALHOUSIE.	On beach, east of line of east breakwater. Lake Ontario entrance to Welland Canal.	43 12 10	79 15 50	Occulting white, visible 30 seconds and eclipsed 5 seconds, alternately, electric.	C....	56	9
1159		Near outer end of east pier, and 1,500 feet N $\frac{1}{4}$ E. from main light.	.....	.....	F. white, electric.	D, 7..	42	11
1160	NIAGARA BELL BUOY	In 20 feet off W. side of mouth of river.	43 17 40	79 5 30				

LAKE

1162	FOX ISLAND.....		44 18 0	79 27 15	F. white	C...	46	12
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MUSKOKA

1165	GRAVENHURST NARROWS.	On S.E. point of Denison Island, Lake Muskoka.	44 58 20	79 22 25	F. white.....	D, p..	28	10
1167	ROSSEAU.....	On Ditchburn Shoal near head of Lake Rosseau, about a mile southerly from wharf.	45 13 35	79 35 45	F. white.....	D, p..	28	8

LAKE

1170	PORT COLBORNE...	Lake Erie entrance to Welland Canal, old W. pier head.	42 52 25	79 15 7	F. white.....	C....	72	14
1171		On cribwork block on W. side of canal, 2,090 ft. N. by E. $\frac{1}{4}$ E. from main light.	.....	.....	F. red.....	C....	35	7

ONTARIO—Continued.

ONTARIO—Concluded.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, octagonal, wood, red iron lantern.	58	1852 re-built 1898	.....	Shows from E. to W. by S. Visible from all points of approach lakeward. Should the electric power fail at any time, a fixed red light will be shown temporarily.	1158
White, square, wood...	38	1879	Bell rung by hand answers signals from vessels.	One lamp shows N. $\frac{1}{2}$ E., one N.W., and one S.W. or up the harbour.	1159
Red iron buoy surmounted by open frame holding bell.		1889	Bell rung by motion of waves.	From buoy American lighthouse bears S.E. by S. $\frac{1}{2}$ S. 2 $\frac{3}{4}$ miles; Fort Massasauga S. by E.; Four Mile Point S.W. $\frac{1}{4}$ S. A course of 2 $\frac{3}{4}$ miles S.S.E. $\frac{1}{4}$ E. will lead to wharf at Niagara-on-the-Lake Vessels entering can run close to buoy leaving it on starboard hand.	1160

SIMCOE.

Brown, square, wood..	39	1870			1162
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LAKES.

Lantern on a mast with brown shed at base.	25	1884			1165
White, square, wood, iron lantern red, standing on a crib-work pier.	26	1890		Visible from all points of approach.	1167

ERIE.

White, octagonal, wood, iron lantern red, tower stands on a brown cylindrical base.	60	1852 re-built 1890	Steam horn sounds blasts of 11 seconds every 1 $\frac{1}{2}$ minutes.	The range leads into the harbour over deepest water 110 feet clear of new breakwater. Light should be left on port hand. Main light visible from all points seaward; back one in line of range and into harbour.	1170
White, square, wood.	27	1878 moved 1901	.....	A vertically striped red and white beacon surmounted by a globe, stands on outermost crib of east pier.	1171

PROVINCE OF

LAKE

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1172	MOHAWK ISLAND. . .	Between Port Colborne and Port Maitland, 1 mile S.W. of mainland.	42 50	2 79 31 23	Gp. rev. white, 3 flashes at intervals of 30 sec. followed by eclipse 75 secs., complete revolution 2½ minutes.	C	70	10
1174	PORT MAITLAND. . .	On block on W. pier, 100 feet from S. end of pier.	42 51	8 79 34 48	F. white.	C	51	10
1176	PORT DOVER.	110 feet from outer end of W. pier.	42 46 52	80 12 10	F. white.	C	20	8
1177		1,700 feet N. E. from front light.			F. red.	C	45	7
1179	LONG POINT OR NORTH FORELAND.	E. extremity.	42 33	0 80 3 20	Rev. white 1 min..	C	69	13
1181	WEST END OF LONG POINT.	On S. shore of inner bay.	42 34 52	80 23 50	Rev. red 1 minute.	C	57	12
1182	PORT BURWELL OR BIG OTTER CREEK.	333 yards in shore.	42 39 00	80 50 00	F. white.	C	89	15
1183	PORT STANLEY.	W. pier head.	42 39 55	81 12 40	F. white.	C	42	11
1186	RONDEAU HARBOUR	On a cribwork block on outer end of the E. breakwater pier.			F. white.	C	34	11
1187		780 feet N. by E. ½ E. from front light.	42 15 32	81 54 18	Alt. red and white 1½ minutes.	C	70	14
1189	SOUTH EAST SHOAL LIGHTSHIP.	In 6½ fathoms 1 mile southeastwardly from southern extremity of shoal.	41 49 21	82 27 10	F. white (3 lanterns around high mast)	D, 5..	50	12
1190	PELEE PASSAGE.	On pier on N. end of the Middle Ground.	41 51 15	82 34 35	Two F. white, temporarily.	D		

ONTARIO—Continued.

ERIE—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog Signal.	Remarks.	No.
White, circular, stone, with dwelling attached.	60	1848	.....	.....	1172
White, square, wood, on brown steel skeleton frame. Polygonal, iron lantern red.	41	1846 re-built 1898	.....	Grand River entrance.	1174
White, square, wood..	20	1846	.....	The two lights in one show the harbour entrance and lead up to the pier in the best water.	1176
Red; skeleton steel tower surmounted by enclosed wooden lantern.	45	1897	.....		1177
White, octagonal, wood; fog-alarm building white, wooden.	60	1843 Fog-alarm 1892	Steam horn sounds blasts of 7 seconds, with intervals of 30 seconds.	Fog alarm building 200 yards S. of light, 400 yards from shore. Horn, 20 feet above water, faces S.E.	1179
White, square, wood, dwelling attached.	56	1879	.....	Visible from all points seaward.	1181
White, octagonal, wood; red wooden lantern.	55	1840	.....	.....	1182
White, square, wood..	35	1844 reb't 1882	.....	Visible from all points seaward.	1183
White square, open framework; brown lantern.	30	1876 mov'd 1891	Hand horn answers signals from vessels.	The alignment, N. by E. $\frac{1}{2}$ E., leads to entrance, and lights must be left on starboard hand in entering. The front light is visible only over a small arc on each side of the alignment, the back light from all points of approach.	1186
White, octagonal, wood, on brown steel cylindrical base; brown, polygonal, iron lantern.	49	1876 mov'd 1891	.....		1187
2-masted schooner, hull to rail red, upper works white.	.....	1896 Light-ship 1901	An 8-inch modoc steam whistle sounds blasts of 20 seconds duration every 2 minutes.	.....	1189
Lanterns on roofs of sheds on pier, temporarily.	.....	.....	.....	Cylindrical, steel-sheathed, concrete pier on polygonal cribwork foundation. Vessels should pass half a mile north of the pier.	1190

PROVINCE OF

LAKE

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1191	MIDDLE GROUND GAS BUOY.	In 5 fms. off N. E. point of shoal.	41 51 28	82 34 0	Occ. white about 10 secs.	D, gas	8	4
1192	PELEE ISLAND	N. E. Point	41 49 55	82 38 22	F. white	C	45	9
1195	MIDDLE ISLAND	Between Pelee and Kelly Islands.	41 41 0	82 40 49	F. red	D, 7	70	12
1197	LEAMINGTON	On shore near pier	42 1 50	82 35 38	F. white	C	48	12
1198	KINGSVILLE	On outer end of E. breakwater pier, 10 feet from W. edge.	42 1 37	82 43 50	F. red	D, 7	27	5
1199		On top of bank at head of E. pier N. by W., 1,060 feet from front light.	42 1 48	82 43 55	F. white	D, 7	55	12
1200	COLCHESTER REEF	Near southeastern edge of reef.	41 56 2	82 53 33	F. white	D, 3	72	14

RIVER

1202	BAR POINT CUT GAS BUOY.	In 3 fathoms on E. side of S. end of dredged channel off Bar Point.	42 0 24	83 7 46	F. white	D, gas	9	4
	RIVER DETROIT	U. S. light.						
	BAR POINT LIGHT-SHIP.	In 2½ fathoms about 500 feet to westward of a line drawn from Bois Blanc (Canadian) Lighthouse to Detroit River (Bar Point) Lighthouse.	42 2 17	83 8 0	F. white (3 lanterns encircling foremasthead.)	D	33	11
1204	BOIS BLANC	On the foot of Bois Blanc Island, below and opposite Amherstburg.	42 5 11	83 6 45	F. white	C	56	14
1205	ELLIOTT POINT RANGE.	Front light 1,696 feet S. 53° 31' E. from Bois Blanc Island light.	42 5 7	83 6 23	F. red	D, p.	12	2
1206		Rear light 309 feet S. 4° 10' E. from front one.			F. red	D, p.	23	2

ONTARIO—Continued.

ERIE—Concluded.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Black iron can buoy, with "MiddleGround" in white.	.....	1896	.....	Light must not be depended on....	1191
White, circular, stone.	40	1833	Hand horn answers signals from vessels.	W. by S. clears Pelee Shoal	1192
White, square, wood..	49	1872	.....	.....	1195
White, square, wood..	37	1880	.....	.....	1197
Lantern on a pole.	21	1886	.....	In one lead to entrance, the outer light being left on starboard side in entering. Visible from all points of approach.	1198
White, with iron lantern red, square, wood.	29	1886 mov'd 1889	.....		1199
White, with iron lantern red, hexagonal, wood on circular stone pier.	60	1885	Bell rung by machinery, gives 1 stroke every 15 seconds.	Visible all around the horizon. Fog-bell on S. side of tower.	1200

DETROIT.

Red, iron, cylindrical buoy, with conical top, surmounted by red lantern.	.....	1901	.....	Light must not be depended on....	1202
2 masted schooner, hull black, with "No. 59, Bar Point Shoal" in white. Black circular day mark at fore masthead.	.....	1889	Steam whistle gives blasts of 10 secs. with intervals of 30 secs. If whistle be disabled a bell will be rung by hand.	From ship Bois Blanc Light bears N. by E. $\frac{1}{2}$ E. 18,200 feet, and Bar Point Light S. $\frac{3}{4}$ W., 13,800 feet. Maintained by the United States Government. Lights visible all around horizon.	.....
White, with red iron lantern, circular, stone, with dwelling near by on E. side.	40	1837 re- newed 1880	.....	.....	1204
Lantern on a mast with diamond target 8 feet square with a vertical black stripe 1 ft. wide. Similar to front light..	15	1898	.....	Maintained by the Lake Carriers Association. Range shows best water between Bois Blanc I. and Amherstburg.	1205
	25	1898	.....		1206

PROVINCE OF

RIVER

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1207	AMHERSTBURG RANGE.	Front range on E. bank Detroit River, 80 feet from water's edge and 2,300 feet N. of Fraser's Dock.	42 5 40	83 6 10	F. red.....	C.....	56	8
1208		Back range, 475 feet N. 16° 30' E. from front.			F. red.....	C.....	80	8
1211	HEAD OF BOIS BLANC ISLAND RANGE.	Frontlight 300 feet from extreme N. point.	42 6 17	83 6 45	F. white.....	C.....	70	2
1212		Back light, 150 yards S. by W. $\frac{1}{2}$ W. from front light.			F. red.....	C.....	90	2
1213	LIMEKILN CROSSING RANGE.	Front light on a pier on the shoal opposite Fort Malden, above Amherstburg.	42 6 19	83 6 25	F. white.....	C.....	31	2
1214		Back light on a pier 890 feet S. $\frac{1}{8}$ E. from front light.			F. red.....	C.....	51	2
	LIMEKILN CROSSING SOUTH LIGHT VESSEL.	Maintained by the U. S. Government.						
	LIMEKILN CROSSING NORTH LIGHT VESSEL.							
1217	FORT MALDEN RANGE.	Front light, on edge of bank, E. side of river, about 2,000 feet E. of railway station, and abreast of lower end of Limekiln Crossing Cut.	42 6 52	83 6 14	F. white.....	C.....	75	6
1218		Back light, on E. side of street, 646 feet S. 18° 45' E. from front light.			F. red.....	C.....	108	6
1219	TEXAS DOCK RANGE.	Front light on lower end of railway transfer slip.	42 7 30	83 6 25	F. red.....	C.....	35	2
1220		Back light, 375 feet N. $\frac{1}{2}$ W. from front, on bank above Texas Dock.			F. white.....	C.....	60	2
	BALLARD REEF GAS BUOYS.	U. S. Lights.						

ONTARIO—Continued.

DETROIT—Concluded.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, open frame, square, wood, side facing channel slatted.	50	1889	.....	Maintained by the Lake Carriers' Association of Buffalo, N.Y. In one lead up from light-ship clear of all shoals and east of middle ground shoal off the tail of Bois Blanc bank.	1207
Red, open frame, square wood, side facing channel slatted.	80	1889	.....		1208
White, iron tripod, with oval target at top.	70	1875 cha'gd 1892	.....	Range to lead to foot of Limekiln Crossing Channel.	1211
Red, iron tripod, with oval target at top.	90	1875 cha'gd 1892	.....		1212
White iron skeleton tower surmounted by metal lantern.	30	1886 mov'd 1891	.....	The alignment of these lights can be kept with the alignment of Bois Blanc Island range, northward to its intersection with the alignment of the U. S. range lights at the head of Grosse Isle. Visible in line of range. At foot of dredged channel.	1213
Red iron skeleton tower surmounted by metal lantern.	50	1886 mov'd 1891	.....		1214
White, open frame, wood, side facing channel slatted.	50	1889	.....	Maintained by American vessel owners. In one, show the best channel, clear of shoals from the head of the Limekiln Crossing Cut to the foot of Fighting Island.	1217
White, open frame, wood, side facing channel slatted.	80	1889	.....		1218
Lantern on a mast with small day beacon attached.	28	.....	.....	Maintained by Messrs. Duff & Gaffield, pilots, at head of dredged channel.	1219
Lantern on a mast with small day beacon attached.	40	.....	.....		1220

PROVINCE OF

LAKE

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1227	THAMES RIVER....	Mouth of river, S. shore	42 19	0 82 26 50	F. white	D, 7..	55	12
1228		Range light, 300 feet N.W. $\frac{1}{2}$ N. from main one.	.....	.....	F. white.....	C.....	22	6

RIVER

1232	STAG ISLAND SHOAL.	On S. end of shoal.....	42 52	0 82 27 50	F. white.....	D, p..	14	4
1233	CORUNNA RANGE.	Near the old wharf, in village, on ground, 10 ft. above water, at foot of Fane street.	42 53 35	82 26 40	F. white	C.....	48	4
1234		On W. side of Beresford street, 568 feet S. 13° E. from front light.	.....	.....	F. white.....	C.....	69	4

LAKE HURON, GEORGIAN

1241	GODERICH.....	Main light on high Bank, S. of entrance to harbour.	43 44 33	81 41 20	F. white.....	C.....	150	18
1242		Fog alarm on town waterworks building on beach.	.....	.....	.....	.....	.....	.....
1243		Front range light, 15 feet from S. edge of N. breakwater and 117 ft. from its outer extremity.	.....	.....	F. red.....	C.....	45	5
1244		Back light, on N. pier, 1,533 feet S. 77° E. from front one.	.....	.....	F. green.....	C.....	34	5
1246	POINT CLARK.....	On extremity of low point.	44 4 20	81 43 5	Rev. white, 30 seconds.	D, 2..	93	15
1248	KINCARDINE.....	On N. pier, 1,185 feet W. by N. $\frac{3}{4}$ N. from main light.	.....	.....	F. red.....	C.....	39	8
1249		Main light in the town on hill side.	44 10 30	81 37 50	Alt. white and red, 20 seconds.	C.....	80	14

ONTARIO—*Continued.*

ST. CLAIR.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, circular, stone.	59	1837	.....	These two lights, in one, lead over bar.	1227
Red, open frame, square wood.	23	1846	.....		1228

ST. CLAIR.

Lantern on a mast with white shed at base, on pile foundation.	11	1900	.....	.....	1232
White, square, wood ..	42	1890	.....	Lights visible over a small arc on each side of the line of range. The alignment, S. 13° E., indicates the best water in the Canadian channel past the shoals at the head of Stag Island on the W., and past the shoals off the mouth of Talford Creek on the E. side.	1233
White, square, wooden.	42	1890 Re-built 1892	.....		1234

BAY AND NORTH CHANNEL.

White, square, stone, with dwelling attached.	20	1847	.....	.....	1241
Red brick, with wooden roof and 2 high brick chimneys on lakeside, partially hidden by storehouse.	...	1889	8-inch steam-whistle, 30 feet above water, gives blasts of 10 seconds, with intervals of 50 seconds.	1,780 feet S.E. by E. $\frac{1}{2}$ E. from outer red light. Maintained by Corporation.	1242
White, square, open frame.	33	.....	.....	To enter harbour the range lights should be kept in one E. by S. $\frac{1}{2}$ S. until within 700 feet of front light when the lights should be opened sufficiently to pass 25 to 100 feet south of both in the axis the dredged channel 100 feet wide.	1243
White, square, wood ..	31	Re-built 1880	.....		1244
White, circular, stone.	87	1859	.....	.....	1246
White, square, wood ..	20	1874	.....	Front light visible in direction of range. Back range and lake coast light, visible from all points seaward. The two in line lead somewhat to the northward of the head of the north pier.	1248
Fawn colour, octagonal wood, dwelling attached, on high stone foundation.	63	1881	.....		1249

PROVINCE OF

LAKE HURON, GEORGIAN BAY

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.	
1251	PORT ELGIN.	SOUTH RANGE.	44 26 15	81 23 30	F. white.....	D, p..	16	4	
1252					Back light 70 ft. S. 70° E. from front one.	F. red.....	D, p..	20	4
1253		NORTH RANGE			On N. extremity of Government wharf.	F. white.....	D, 7..	21	9
1254					On shore E. side of harbour 660 feet N. 36° E. from front light.	F. red.....	D, p..	31	4
1256	CHANTRY ISLAND....	About 2½ miles W. from Saugeen.	44 29 15	81 23 20	F. white.....	D, 2..	94	15	
1257	SOUTHAMPTON HARBOUR.	On E. end of W. break-water N.E. by E. 933 yards from Chantry Island Light.	44 30 5	81 22 50	F. red to N., white in harbour.	C....	27	7	
1258		Back light on shore S. of landing pier 2,638 yds. S. 4° 30' W. from the front one.	F. white.....	C....	31	10			
1259	SAUGEEN.....	On breakwater, on N. side of mouth of river	44 30 12	81 21 45	F. white.....	D, 7..	35	10	
1260		Back light on hill S. 80° E. 700 feet from pier light.	F. green.....		45	6			
1261	LYAL ISLAND.....	On W. side of Island..	44 57 10	81 25 10	Rev. white, 15 seconds.	C....	51	12	
1262	PINE TREE RANGE.	On N. E. side of harbour opposite saw mill.	45 4 30	81 29 45	F. white.....	C....	26	10	
1263		Back light 350 feet N. E. ½ N. from front one.	F. white.....	C....	32	11			
1265	COVE ISLAND.....	N. point of Cove Island, entrance to Georgian Bay.	45 19 40	81 44 9	Fl. white, bright, 10 seconds; eclipsed 15 seconds.	D, 2..	90	15	
	For Georgian Bay lights, see No. 1277.								
1266	SOUTH BAYMOUTH..	On S. E. end of small limestone island lying on the N. side of the mouth of the bay.	45 30 35	81 58 25	F. white.....	D, 7..	28	10	
1267		On Manitoulin Island 772 ft. N. 28° E. from front tower.	F. white.....	C....	46	12			
1268	MICHAEL POINT....	On S. side of Manitoulin Island.	45 34 5	82 6 0	F. white.....	C....	40	11	

ONTARIO—Continued.

AND NORTH CHANNEL—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Lantern on a mast, with white shed at base.	14	1895	.....	To enter bring south range lights into one and stand in until the north range lights are brought in line. Follow this range into dredged harbour between the breakwater and the landing wharf, leaving the front light on the star-board hand to clear the wharf.	1251
Lantern on a mast, with white shed at base.	18	1895	.....		1252
Lantern on a mast, with white shed at base.	14	1884	.....		1253
Lantern on a mast, with white shed at base.	16	1895	.....		1254
White, circular, stone.	86	1859	.....		1256
White, square, wood..	25	1877	.....		1257
White, square, wood..	28	1877 mov'd 1901	.....	Alignment leads to opening in break-water at N. end of harbour. Depth in channel 16 feet.	1258
Lantern on mast, with white shed at base, standing on crib.	20	1883	.....	To guide fishing boats into Saugeen River	1259
Lantern on a white slatwork beacon.	15	.....	.....	Not under Marine Department, but placed as a range to guide small vessels into the harbour through narrow dredged channel 8 ft. deep.	1260
White, square, wood dwelling attached.	57	1885	.....	Coast light and guide to Stokes Bay.	1261
White, square, wood, with red top.	28	1895	.....	Not under Marine Department.... Local knowledge is necessary to use these lights. Range gives 14 feet over the outer shoal and 18 feet at Narrows. Lights in one bear N.E. $\frac{1}{2}$ N.	1262
White, square, wood, with red top.	34	1895	.....		1263
White, circular, stone, Stone dwelling connected to tower by wooden shed.	85	1859	Steam horn gives blasts of 10 seconds, with intervals of 110 seconds.	Fog horn located 214 feet W. by N. of the light.	1265
White, square, wood..	28	1898	.....	In entering keep lights in one till within 600 feet of front tower, when haul E. by N. $\frac{1}{2}$ N. to clear the south end of the village wharf, behind which there is good shelter.	1266
White, square, wood..	40	1898	.....		1267
White, square, wood ; red octagonal iron lantern.	25	1870	Hand horn answers signals from vessels.	Visible from all points of approach.	1268

PROVINCE OF

LAKE HURON, GEORGIAN BAY

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1269	GREAT DUCK ISLAND.	On S. W. point of island	45 37 12	82 56 35	Rev. red and white, 40 seconds; one red and two white flashes every 2 minutes.	C	64	15
1272	MISSISSAGI STRAIT...	On S.W. point of W. end of Manitoulin Island.	45 53 10	83 12 10	F. white.....	C	46	13
	For North Channel	lights see No. 1349.						
	For St. Mary River	lights see No. 1381.						
	Cove Island.—See	above No. 1265.						
1275	TOBERMORY.....	Water's edge, W. side of entrance.	45 15 35	81 40 25	F. red	D, 7..	40	8
1276	FLOWERPOT ISLAND.	Northeasternmost point of Island.	45 18 30	81 36 48	F. white.....	D, 7..	88	15
1277	CABOT HEAD... ..	On cliff $\frac{1}{4}$ mile E. from entrance to Wingfield Basin.	45 14 45	81 17 25	Gp. rev. white, 3 flashes 20 seconds apart, then eclipse 40 secs. Complete revolution 80 secs.	C	80	14
1279	SURPRISE SHOAL, BELL BUOY.	In 6 fathoms immediately N. of 9-foot patch at W. end of shoal.	45 3 27	81 1 20	.....	.....	.....	.....
1281	WIARTON.....	Near outer end of break-water, head of Colpo Bay.	44 45 0	81 8 10	F. red.....	D, 7..	19	6
1282	GRIFFITH ISLAND....	N.E. side of island, 17 miles from Town of Owen Sound.	44 51 3	80 53 22	F. white.....	D, 3..	85	16
1284	PRESQU'ILE.....	Near McKenzie's wharf, Owen Sound, Georgian Bay.	44 41 48	80 54 25	F. white.....	C	31	10
1285	OWEN SOUND.....	On pilework, E. side of mouth of Sydenham River.	44 34 43	80 56 19	F. red	C	39	7
1286		On pile foundation, 1053 feet S. by W. $\frac{3}{4}$ W. from front tower.	.....	.....	F. red.....	C	46	8

ONTARIO—Continued.

AND NORTH CHANNEL—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood, with dwelling attached. Fog-alarm building, white with brown roof.	54	1877 Fog-alarm 1888	Steam horn gives blasts of 8 seconds, with intervals of 35 seconds.	Fog horn located 150 feet S.E. from light.	1269
White, square, wood, with dwelling attached, partially hidden behind white wooden fog alarm building with brown roof.	28	1873	Steam "wild-cat" whistle gives blasts of 8 seconds, with intervals of 2 min. Pitch of whistle varies during the blast.	For guiding vessels through Missisquoi Strait for either entrance.	1272
White, hexagonal, wood red iron lantern.	43	1885	.....	.....	1275
White, square, wood, red lantern rising from red roof of building.	31	1897	Bell gives one stroke every 7 seconds.	Visible between the bearings E. by S. $\frac{1}{4}$ S. through S. to W. by N. $\frac{1}{4}$ N.	1276
White, square, wood, with dwelling attached, red polygonal, iron lantern. Fog horn building white, wood.	54	1896	Steam horn gives blasts of 8 seconds with silent intervals of 40 seconds.	Fog horn located on beach about 200 feet E. of light.	1277
Red iron buoy, surmounted by open frame holding bell.	...	1893	Bell rung by action of the waves.	Patches with less than 2 fathoms extend nearly 1 mile east, deep water 2 cables S. of buoy.	1279
Lantern on a mast, with white shed at base.	18	1891	.....	.....	1281
White, circular, stone.	61	1859	Hand horn answers signals from vessels.	.....	1282
White, square, wood.	27	1873	Hand horn answers signals from vessels.	.....	1284
White, with vertical red stripe on N. side, square, wood.	34	Re-built 1883 moved 1895	.....	N.B.—There are ranges for ascertaining compass errors at this port. Particulars can be obtained from Harbour Master.	1285
White, square, wood.	46	Built 1895	.....	Lights can be brought in one as soon as seen, and kept until front light is 900 feet distant, when haul up for entrance leaving both on port hand.	1286

PROVINCE OF

LAKE HURON, GEORGIAN BAY

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1288	MEAFORD	On outer end of pier...	44 36 40	80 34 30	F. white.....	C.....	42	13
1289	THORNBURY	Front light on E. side of outer end of W. breakwater pier.	44 34 10	80 27 10	F. white.....	D, 7...	32	7
1290		Back light on W. side of Beaver River, 376 feet S. by W. $\frac{1}{2}$ W. from front light.	.....	.....	F. white To be changed to red 1st June, 1902.	D, p...	36	7
1291	NOTTAWASAGA ISLAND.	2 miles N.W. of Collingwood Harbour.	44 32 22	80 15 6	Rev. white, every $\frac{1}{2}$ minute. (See remarks column.)	D, 2...	86	17
1292	COLLINGWOOD	Outer end of W. breakwater pier.	44 31 0	80 13 50	F. red.....	C.....	41	8
1293		At turn of dredged channel in harbour.	44 30 40	80 13 45	F. red.....	D, p...	27	6
1296	CHRISTIAN ISLAND..	On Bar Point.....	44 47 20	80 9 25	F. white	D, 4...	61	15
1297	HOPE ISLAND.....	On N.E. point of Island	44 54 50	80 10 0	Rev. white—One minute.	C.....	54	12
1298	GIANTS TOMB.....	On S. extremity of Island.	44 52 47	80 0 28	F. white.....	D, 7...	40	11
1299	BRÉBEUF RANGE...	On N. end of Brébeuf Island.	44 52 32	79 53 3	F. white.....	C.....	40	11
1300		Back light on W. shore of Beausoleil Island, 2,400 ft. S. 86° E. from front light.	.....	.....	F. white.....	C.....	40	11
1301	MIDLAND POINT RANGE.	On beach 6 cables, S. 54° E. from Sucker Creek Point.	44 48 20	79 52 20	F. white.....	D, 7...	31	10
1302		Back light on beach 3,000 ft. S. 17° E. from front light.	.....	.....	F. white.....	D, 7...	41	11

ONTARIO—Continued.

AND NORTH CHANNEL—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood.	35	1878	Hand horn answers signals from vessels.		1288
Lantern on mast, with drab shed at base.	25	1887		Front light visible from all points of approach by water, back light visible in line of range.	1289
Lantern on mast with drab shed at base.	29	1901		The two lights in one, bearing S. by W. $\frac{1}{2}$ W., lead in through centre of dredged channel to entrance between breakwater piers.	1290
White, circular, stone.	85	1859	Hand horn answers signals from vessels.	Red sector covering an arc of 30° S.W. from Fisherman's Point and including Collingwood Harbour, to indicate shoals between light and harbour. Collingwood breakwater light well open N. Eastward of this light clears Mary Ward ledges, and white light kept open till breakwater light bears S.W. clears shoals between the two.	1291
White, octagonal, wood, lantern roof red.	44	1858	Hand horn answers signals from vessels.		1292
White, square, wood. Lantern red.	27	1884 changed 1894		Approaching, from W., about $\frac{1}{2}$ mile off shore, haul for this light when open a little to E. of 1292 and pass in 75 feet W. of 1292.	1293
White, circular, stone.	60	1859	Hand horn answers signals from vessels.		1296
White, square, wood, with dwelling attached.	57	1884	Hand horn answers signals from vessels.	Shows all around, except where intercepted by trees on island.	1297
White, square, wood, surmounted by red iron lantern, dwelling attached.	37	1893		Visible from all points of approach by water.	1298
White, square, wood; red polygonal iron lantern.	36	1900		Visible from all points of approach by water.	1299
White, square, wood, red roof.	42	1900		The two lights in one, bearing S. 86° E., lead in from outside Benet Bank to alignment of Midland Point range.	1300
White, square, wood, on cribwork pier; lantern red.	33	1900		Visible from all points of approach by water.	1301
White, square, wood; lantern red.	43	1900		The two lights in one lead in S. 17° E. from intersection of alignment of Brébeuf range to within half a mile of front tower, where lights should be opened on starboard. Shore may be kept close aboard till Midland Point is rounded.	1302

PROVINCE OF

LAKE HURON, GEORGIAN BAY

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1303	MIDLAND	Front light on hillside in S. W. part of town.	44 44 58	79 53 56	F. red, electric....	Incandescent.	150	4
1304		Back light 1,320 feet S. 56° W. from front light.			F. red, electric....	Incandescent.	190	4
1305	WHISKY ISLAND....	Entrance to Penetanguishene Harbour.	44 49 0	79 53 20	F. white.....	D, 7..	33	11
1306	PENETANGUISENE ..	On outer end of Reformatory pier.	44 48 30	79 53 50	F. white.....	C	17	8
1307	WESTERN ISLANDS..	On Double Top Rock..	45 2 4	80 21 31	F. white, varied by white flashes every 30 seconds.	D, 4.	74	14
1308	LONE ROCK BELL-BUOY.	300 feet from rock, Wabuno Channel.	45 9 30	80 12 0	.....	.....	.....	.....
1310	SEGUIN BANK GAS BUOY.	South end of bank....	45 19 21	80 31 30	Occ. white, bright 5 secs., eclipsed 7 secs.	D, gas	10	4
1311	RED ROCK.....	At entrance to Parry Sound.	45 22 5	80 23 5	F. white.....	C	63	13
1313	SNUG HARBOUR RANGE.	On the westernmost Walton Island.	45 22 18	80 19 38	F. red	C	39	7
1314		On S. extremity of island on N. side of entrance to harbour. 3,100 feet E. by N. ½ N. from Walton Island light.	45 22 27	80 18 58	F. white.....	C	62	13
1315	HOOPER ISLAND SHOAL GAS BUOY.	In 3 fathoms on 15-foot patch N. of Hooper Island.	45 19 49	80 18 37	F. white.....	D...	7	3
1316	JONES ISLAND RANGE.	On summit of northernmost Gordon Rock.	45 18 56	80 17 15	F. red	C	40	7
1317		On S.W. point of Jones Island, 2,900 yards S.E. ½ S. from Gordon Rock light.	45 18 0	80 15 42	F. white.....	C ...	63	8

ONTARIO—Continued.

AND NORTH CHANNEL—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Lamp on pole.....	30	1901	.....	The lights in one, bearing S. 56° W., lead in from Midland Point to wharves in harbour, clear to southeastward of Midland Bay Shoal.	1303
Lamp on pole.....	30	1901			1304
White, square, wood..	36	1882	.....	.....	1305
White, square, wood..	18	1876	.....	.....	1306
White, octagonal, wood, iron lantern red.	59	1895	Steam horn 80 feet N.N.W. from the lighthouse, gives blasts of 8 seconds with intervals of 40 seconds.	.....	1307
Red iron buoy surmounted by a bell.	.....	1889	Bell rung by action of waves.	Buoy must be kept on starboard hand in going northward.	1308
Black, cylindrical, steel buoy, with "Seguin Bank" in white letters on side; surmounted by black pyramidal framework supporting a red lantern.	.....	1898	.....	.....	1310
White, octagonal, wood, on pier. Tower rising from middle of dwelling roof.	44	1870 removed 1881	Hand-horn answers signals from vessels.	.....	1311
White, square, wood, with red stripe on side facing channel.	29	1894	.....	These two in one lead in E. by N. ½ N. south of Seguin bank through main channel to intersection with Jones Island range.	1313
White, square, wood, rising from roof of rectangular dwelling, with red stripe on side facing channel.	50	1894	.....		1314
Red, cylindrical steel buoy, "Hooper Island Shoal" in white letters on side, red conical slatwork cage, red lantern.	.....	1898	.....	.....	1315
White, square, wood, with red stripe on side facing channel.	38	1894	.....	Visible over an arc of 180° between S. E. by E. ½ E., round through S., to N. W. by W. ½ W.	1316
White, square, wood, rising from roof of rectangular dwelling, with red stripe on side facing channel.	50	1894	.....	These two in one lead in S. E. ½ S. from intersection with Snug Harbour range to Hooper Island shoal gas buoy, clear of Ariel Rock, Hall Reef, Telegram Rock and Hooper Island Reef, on starboard hand, and clear of Black Rock and Twin Rock, on port hand.	1317

PROVINCE OF

LAKE HURON, GEORGIAN BAY

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1319	SPRUCE ISLAND SHOAL GAS BOY.	S. extremity of shoal S. from Spruce Island.	45 19 52	80 15 48	F. white.....	D.....	7	3
1320	CARLING ROCK..	Northern portion of highest part of rock.	45 20 8	80 14 27	F. white.....	D, 7...	26	7.
1323	DEPOT ISLAND..	On beach at western extremity.	45 19 6	80 7 10	F. red.....	D, 7...	25	10
1324	ROSE POINT SWING BRIDGE	From westernmost extremity of Rose Point to Parry Island.	45 18 57	80 2 49	F. green (bridge open), F. red (bridge closed).	.....		
1327		Front range, on S. extremity of point, close to water.	45 33 33	80 30 34	F. white.....	D, 7...	38	10
1328	POINT AU BARIL..	Back range, on summit of island, 4,800 feet E. by S. $\frac{3}{4}$ S. from front.	.....	.....	F. red.....	C.....	60	10
1331	GEREAUX ISLAND..	On S. side of entrance to Byng Inlet.	45 44 31	80 39 52	F. white.....	C.....	49	12

*
 PARRY SOUND.

ONTARIO—Continued.

AND NORTH CHANNEL—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Black, cylindrical, steel buoy, "Spruce Island Shoal" in white letters on side, black can-shaped slatwork cage, red lantern.		1898		Vessels entering Parry Sound will pass 200 yards south of Seguin Bank gas buoy and steer E. by N. $\frac{1}{4}$ N. for about 2 miles or until the Snug Harbour range lights come in one, bearing E. by N. $\frac{1}{4}$ N. and leading through main channel. When 2 miles inside Red Rock	1319
White, square, wood, with red stripe on W. side.	27	1898		lighthouse the Jones Island range should be brought into alignment S. E. $\frac{1}{4}$ S. and kept exactly until within 400 yards of Hooper Island shoal gas buoy, when haul gradually to bring Spruce Island shoal gas buoy ahead bearing E. $\frac{3}{4}$ S. and Hooper Island shoal gas buoy astern. Pass 50 to 100 yards south of Spruce Island shoal gas buoy and head up for the centre of Davy Island E. by N. $\frac{1}{4}$ N. Give Carling Rock a berth of 200 yards and steer for Killbear Point just open north of the north Sister Island E. $\frac{1}{4}$ S. Vessels between Red and Carling Rocks should run at half speed. When the last island is passed Depot Island light may be steered for bearing E. S. E. Depot Island and Cadotte Point should receive a berth of 100 yards in entering the harbour.	1320
White, square, wood.	28	1898		Visible over an arc of 180° from S. through E. to N.	1323
		1897		On top of swing a mast carries a 4-foot red and white ball. When bridge is open ball raised to top of mast, when closed ball is lowered. To pass bridge, steamers should stop at Sloop Island or E. point of Isabella Island and give three long whistles.	1324
White, square, wood, with kitchen attached	32	1889		Alignment shows channel between the shoals westward of the point. Outer light left on port hand on entering, and inner light left on starboard hand in passing.	1327
Brown, with enclosed part white, square, wood, open frame, upper part enclosed.	44	1889			1328
White, square, wood, dwelling attached.	48	1870 re-mov'd 1885	Hand horn answers signals from vessels.		1331

PROVINCE OF

LAKE HURON, GEORGIAN BAY

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1332		Front range, close to S. side of channel, $\frac{3}{4}$ mile N.E. by E. $\frac{1}{4}$ E. from Gereaux Island light.	45 45	5 80 38 56	F. red.....	C.....	34	8
1333	BYNG INLET.....	Back range, 1,520 feet E. by N. from front.			F. red.....	C.....	60	13
1336	BUSTARD ROCKS, BACK RANGE.	On a rocky islet, $2\frac{1}{2}$ miles S. W. of entrance to French River.	45 53 25	80 57 18	F. white.....	D, 7..	48	12
1337	BUSTARD ROCKS, FRONT INNER RANGE.	229 feet N.E. $\frac{1}{4}$ E. from the last described.			F. white.....	C.....	30	6
1338	BUSTARD ROCKS, FRONT OUTER RANGE.	193 ft. W. by S. from back tower.			F. white.....	C.....	27	10
1339		On Lefroy Island, W. side of mouth of river.	45 56	8 80 54 40	F. red.....	D, 7..	15	6
1340	FRENCH RIVER.....	In mill yard on E. side of river, N. 33° E., 5,178 ft. from Lefroy Island light; and 348 ft. N. 56° E. from head of creek.			F. red.....	C.....	37	6
1343	LONELY ISLAND.....	On summit of N. bluff..	45 34 27	81 28 11	F. white.....	C.....	195	20
1345	KILLARNEY EAST OR RED ROCK POINT.	One mile E. of Killarney	45 58	4 81 29 28	F. white.....	D, 7..	42	11
1346	KILLARNEY WEST OR PARTRIDGE ISLAND	One mile N.W. of Killarney.	45 58 57	81 32 5	F. white.....	C.....	30	10
1349	MANITOWANING.....	On the hill in the village, Manitoulin Island.	45 44 42	81 48 27	F. white.....	D, 7..	80	14
1351	STRAWBERRY ISLAND	Northernmost point....	45 58 23	81 51 25	F. white.....	C.....	40	11

ONTARIO—*Continued.*AND NORTH CHANNEL—*Continued.*

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood..	33	1890	.....	Visible in and over a small arc on each side of range.	1332
White, square, open-framed wood, lantern and top enclosed, slats below.	49	1890	.....	Alignment E. by N. leads into mouth of Byng Inlet, clear of Maganetan Ledges on S. and Burton Bank on N. with nowhere less than 4 fathoms.	1333
White, square, wood, surmounted by hexagonal red iron lantern.	37	1875 re-built 1893	Hand horn answers signals from vessels.	Back tower is also to be used as a coast light. It is visible from all points of approach except over the dangerous rocks and shoals to the N. eastward and eastward. The inner range leads in from a point just clear of the N. Bustard Rock to the intersection with this range of the French River range. The outer range leads in from deep water, clear of Isabel rock on the north, and of all the shoals south-west of Bustard Rocks on the south.	1336
White, square, wood, surmounted by square red wooden lantern.	28	1875 re-built 1893	.....	.....	1337
White, square, wood, surmounted by square red wooden lantern.	28	1893	.....	.....	1338
White, square, wood, open framework.	13	1875	.....	Visible from all points of approach by water.	1339
White, square, wood, surmounted by square red wooden lantern.	33	1875 re-built 1893	.....	Leads in from its intersection with the inner Bustard Range to Lefroy Island, clear of all obstructions.	1340
White, square, wood, dwelling attached.	42	1870	Hand horn answers signals from vessels.	To the S. the light is obscured by the land between N.N.W. $\frac{1}{4}$ W. and N.E. by E.	1343
White, square, wood..	20	1866	Hand horn answers signals from vessels.	At N. side of channel leading into Killarney Harbour from the eastward.	1345
White, square, wood..	20	1866	.....	.....	1346
White, square, wood, iron lantern red.	38	1885	.....	.....	1349
White, square, wood, with dwelling attached.	44	1881	Hand horn answers signals from vessels.	.....	1351

PROVINCE OF

LAKE HURON, GEORGIAN BAY

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1352		South light close to shore between wharves in village.	45 58 50	81 55 42	F. white	C	24	6
* 1353	LITTLE CURRENT.	N. light on E. extremity of Spider Island, 1,350 feet N $\frac{3}{4}$ W. from S. light.	45 59 4	81 55 50	F. white	C	40	6
1355	NARROW ISLAND.	On west end	45 59 26	81 58 50	F. white	D, 7.		
1358	CLAPPERTON ISLAND.	N. point	46 3 13	82 14 18	F. white	C	30	10
1360	KAGAWONG	At foot of Mudge Bay, 75 feet back from shore and 100 feet westward of dock.	45 54 31	82 15 45	F. white	C	38	11
1361	BOYD ISLAND.	On small rock, near Boyd Island, $\frac{1}{2}$ mile S. E. $\frac{1}{4}$ E. from Spanish River Lumber Co's Mill on Aird Island.	46 7 25	82 20 10	F. red	D, 7.	41	6
1362	GORE BAY.	On Janet Head	45 56 40	82 28 58	F. white	D, 7.	43	11
1363	CAPE ROBERT.	On the northern extremity of the Cape.	45 59 44	82 49 40	F. white	D, 7.	46	12
1364		On sand beach E. of wharves.	46 10 54	82 57 19	F. red, electric.	C	16	6
1365	BLIND RIVER RANGE.	Back light 730 feet N. 24° W. from front light.			F. red, electric.	C	27	6
1366	BLIND RIVER.	On outer end of E. wharf.			F. white, electric.	C		
1367	MISSISSAGI ISLAND.	On S. end of Island.	46 6 30	83 0 31	Rev. white.	C	53	12
	MISSISSAGI STRAIT.	See above No. 1272.						
1369	SULPHUR ISLAND.	S. end of Island.	46 8 40	83 36 30	F. white	D, 7.	45	12
1370	THESSALON.	60 feet from extremity of Thessalon Point.	46 14 12	83 34 4	F. white	C	30	10

ONTARIO—Continued.

AND NORTH CHANNEL—Concluded.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, with lantern red, square, wood.	23	1866	.....	Vessels from eastward will pass close to the wharves, keeping the line of the lights between them and giving the N. light a berth of 150 feet.	1352
White, with lantern red, square, wood.	43	1866	.....		1353
.....	.....	1890	Hand horn answers signals from vessels.	Visible from all points of approach. Tower destroyed by fire, temporary pole light will be maintained.	1355
White, square, wood..	35	1866	Hand horn answers signals from vessels.	.....	1358
White, square, wood, with red lantern.	27	1888 ch'ged 1894	.....	.....	1360
White, square, wood..	39	1885	.....	.....	1361
White, square, wood, dwelling attached.	40	1879	Hand horn answers signals from vessels.	Visible from all points seaward....	1362
White, square, wood, dwelling attached.	41	1885	.....	Visible from all points seaward....	1363
Lantern on a mast....	15	1900	.....	The two lights in one, bearing N. 24° W., lead into Blind River, clear of all shoals, 11½ feet water everywhere.	1364
Lantern on veranda of Michigan Land and Lumber Co.'s office.	.....	1900	.....		1365
Lantern on a pole....	.....	1900	.....		1366
White, square, wood, dwelling attached.	50	1884	.....	Maintained by Michigan Land and Lumber Co. As soon as light bears N. W. vessels can head for wharves inside Sus- anne Island, 10½ ft. water at wharf head. Visible except between the bearings of S. E. ¼ S. and S.S.W. ¾ W. where it is obscured by trees on northerly part of island.	1367
White, square, wood..	20	1869	.....	.....	1369
White, square, wood. Lantern rising from middle of roof of dwelling.	30	1898	Hand horn answers signals from vessels.	.....	1370

PROVINCE OF

RIVER ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1372	BRUCE MINES.....	On outer end of wharf...	46 17 51	83 47 16	F. red		18	
1375	NORTH SISTER ROCK.	E. side of channel.....	46 18 16	83 54 44	F. white.....	D, 7..	35	11
1376	BAMFORD ISLAND....	On E. extremity of Island, $\frac{1}{2}$ mile S. W. of Wilson channel.	46 19	6 83 59 35	F. white	D, 7..	32	10
1377	RICHARDS LANDING.	On the wharf	46 17 44	84 2 12	F. white.....	C ..	16	3
1378	SHOAL ISLAND	On N. extremity S. side of channel.	46 18 51	84 4 30	F. white.....	D, 7..	32	11
	FRYING PAN ISLAND.	U. S. Lights.						
	PIPE ISLAND.....							
	SWEETS POINT							
	ROUND ISLAND.							
	POINTE AUX FRÈNES GAS BUOY.							
	PILOT ISLAND RANGE							
	MUD LAKE							
	WINTER PT. RANGE.							
	RAINS ISL. FLOAT LIGHT.							
	ENCAMPMENT CRIB..							
	JOHNSONS POINT FLOAT LIGHT.							
	RAINS ISLAND SHOAL FLOAT LIGHT.							
1384		On shore north of wharf.	46 15 0	84 5 20	F. red.....	D. p.	21	2
1385	RAINS WHARF RANGE.	436 ft. S. E. $\frac{1}{4}$ E. from front light.			F. red	D. p.	26	2

ONTARIO—*Continued.*

MARY.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Square lantern on S.E. corner of warehouse.				Not under Marine Department.	1372
White, hexagonal, wood on a pier.	30	1885			1375
White, square, wood, dwelling attached.	34	1885	Hand horn answers signals from vessels.		1376
Square tubular lantern on southeasterly cor- ner of warehouse.		1901		Visible from all points of approach.	1377
White, square, wood, dwelling attached.	34	1885			1378
Lantern on a mast.	15	1892		This range is in the same align- ment as the Point of Woods (U.S.) Range, and guides ves- sels going down stream through Dark Hole passage, S.E. & E., from its intersection with the alignment of the U.S. Dark Hole Range, to its intersection with the Pilot Island and Rains Hill Ranges.	1384
Lantern on a mast.	22	1892			1385

PROVINCE OF

RIVER ST.

[illegible]

ONTARIO—*Continued.*MARY—*Continued.*

Colour and any peculiarity of Buildings.	Height in feet in Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Lantern on a mast. White diamond-shaped day beacon at foot, with vertical black stripe.	17	1892 mov'd 1900	.....	Ascending, the lights kept in one ahead, N. by E. $\frac{1}{4}$ E., indicate middle of dredged channel from Mud Lake turning gas buoy to alignment of Point of Woods range.	1386
Lantern on a mast. White diamond-shaped day beacon at foot.	22	1892 mov'd 1900	.....		1387
Lantern in front of beacon with white diamond-shaped target with vertical black stripe.	....	1900	.....	The lights in one, bearing S.E. by E. $\frac{1}{4}$ E., lead through centre of Middle Neebish dredged channel from its intersection with alignment of lower Hay Lake range to its intersection with alignment of Harwood Point range.	1388
Lantern in front of beacon with white diamond-shaped target.	....	1900	.....		1389
Lantern on a mast	17	1892	.....	These two lights in one, N. $\frac{1}{4}$ E. show the same alignment as the East Neebish (U.S.) range, and are intended to guide vessels going up the river through the upper reach of East Neebish from the intersection of the alignment with Indian Point (U.S.) range till abreast of Indian Point, whence a N.N.W. course will lead up the middle of the river, clear of all obstructions, to the intersection with Duck Island (U.S.) range.	1390
Lantern on a mast ...	22	1892	.....		1391

PROVINCE OF

RIVER ST.

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of light above high water mark.	Miles seen in clear weather.
1401	LOWER TURNING BUOY.	Near black buoy at turn from canal into river.			F. white.		6	2
1402	CANADIAN CANAL LOWER ENTRANCE	On mainland near shore	46 30 54	84 20 8	F. red, electric.		59	3
1403		980 feet N. W. $\frac{3}{4}$ N. from front light.			F. red, electric.		74	3
1404		On cribwork beacon at turn in approach to canal.	46 30 39	84 21 43	F. white, electric.		39	4
1405	CANADIAN CANAL, UPPER ENTRANCE RANGE.	On E. extremity of Daignon Pt., 2,100 feet N. E. $\frac{1}{2}$ E. from front light.			F. white, electric.		61	2
1406	UPPER TURNING BUOY.	On southern edge of dredged curve, opposite beacon.			F. white.		6	2
1407	VIDAL SHOAL BUOY.	Extremity of Vidal shoal.			F. red.		8	2
1410	FOOTES DOCK.	At shore end of dock, near the bank of the river.	46 28 29	84 27 9	F. red.	D, 7.	24	5
1413	POINTE AUX PINS.	On outer end of low sand point.	46 27 52	84 27 43	F. white.	C	30	8

*NOTE.—The Canadian canal and its cribwork approaches are illuminated by two rows of arc lights, one The United States canal and channels leading to it are marked by numerous lights and gas

LAKE

1415	PANCAKE SHOAL BELL BUOY.	In 5 fathoms off the S. W. edge of the shoal.	46 54 30	84 47 45				
1416	CORRABAY POINT.	Batchawana Bay	46 53 35	84 36 5	F. white.	D, 7.	77	16
1418	GARGANTUA.	On summit of small island in mouth of harbour.	47 33 40	84 57 20	F. white.	D, 7.	97	15
1419	MICHIPICOTEN HARBOUR.	On S. E. extremity of Little Gros Cap.	47 56 20	84 54 30	F. white.	D, 7.	50	12
1420	CARIBOU ISLAND.	On a small island S. W. of Caribou Island.	47 19 45	85 47 35	Rev. white, 10 sec onds.	C	76	15

ONTARIO—*Continued.*MARY—*Concluded.*

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Lantern on superstructure of a platform buoy.	6	1899	.....	To show turn at lower entrance of canal.	1401
Lantern on a mast, with white diamond-shaped day mark.	55	1896	.....	The two lights in one lead from the American channel up the middle of the dredged approach between the red and black buoys to the piers at the E. end of canal.	1402
Lantern on a mast, with white diamond-shaped day mark.	67	1896	.....		1403
Wooden lantern on top of crib.	.....	1896	.....	The two lights in one lead in from the American channel past Vidal Shoal, between the red and black buoys, to the turn at the front light.	1404
White, square, wood, open frame.	65	1896	.....		1405
Lantern on a float. ....	.....	1898	.....	To show turn at upper entrance of canal.	1406
Lantern on superstructure of red platform buoy.	.....	1898	.....	To mark outer edge of Vidal shoal.	1407
Lantern on a mast on end of freight shed on wharf.	20	1890	.....	.....	1410
White, square, wood..	23	1873	.....	.....	1413

on each side of the canal. The most westerly light in each row is a red one, all the others being white. buoys. These are not enumerated, to prevent confusion.

SUPERIOR.

Red iron buoy surmounted by a bell.	.....	1894	Bell rung by action of the waves.	.....	1415
White, octagonal, wood, with dwelling attached.	63	1873	Hand horn answers signals from vessels.	.....	1416
White, with iron lantern red, hexagonal, wood.	43	1889	Hand horn answers signals from vessels.	To enter Gargantua harbour keep the light on the port side.	1418
Lantern on stand temporarily.	...	1902	.....	Visible from all points of approach by water, but not visible from wharves in harbour.	1419
White, octagonal, wood, red lantern, dwelling attached. Fog-alarm building white, with brown roof.	80	1886	Steam horn sounds blasts of five seconds, with intervals of 25 seconds.	Fog horn 100 feet S. of light.	1420

PROVINCE OF

LAKE

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1422	MICHIPICOTEN ISLAND.	On headland E. side entrance to Quebec Harbour.	47 42 10	85 46 0	F. white.....	C....	56	15
1423	AGATE ISLAND....	In Quebec Harbour, Michipicoten Island.	47 42 30	85 47 0	F. white.....	C....	32	10
1426	PENINSULA HARBOUR	S. end of island at entrance.	48 42 5	86 22 15	Rev. white, $\frac{1}{2}$ minute.	C....	105	16
1428	BATTLE ISLAND.....	On S. W. point of island, E. entrance to Nepigon Bay.	48 44 45	87 32 50	Alt. red and white, $1\frac{1}{2}$ minutes.	C....	105	16
1429	LAMB ISLAND....	Western entrance to Nepigon Bay.	48 36 25	88 9 10	F. white.....	C....	90	15
1431	PORPHYRY POINT....	Entrance to Black Bay, Edward Island, Algoma.	48 21 0	88 38 10	F. white.....	C....	56	13
1433	THUNDER CAPE.....	Entrance to Thunder Bay.	48 18 23	88 56 40	Rev. white, 1 minute.	C....	45	12
1436	KAMINISTIGUIA....	On N. shore of river, near Fort William.	48 23 30	89 13 25	F. red.....	C....	40	8
1437		879 feet E.N.E. from above.	.....	.....	F. red.....	C....	30	7
1438	PORT ARTHUR.....	On cribwork block, 31 feet from S. end of northerly breakwater.	48 25 50	89 13 20	F. red.....	C....	43	7
1440	PIE ISLAND.....	400 ft. S.W. from wharf, W. extremity of island, W. entrance of Thunder Bay.	48 13 33	89 10 30	F. white.....	D, 7..	29	10
1441	VICTORIA ISLAND...	Near the western end of the island	48 5 0	89 21 30	F. white.....	D, 7..	89	15

ONTARIO—*Continued.*SUPERIOR—*Concluded.*

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood..	32	1872	.....	.....	1422
White, square, wood..	20	1872	.....	.....	1423
White, square, wood, with dwelling attach- ed. Iron lantern, red.	56	1891	.....	Vessels entering harbour leave light ½ mile on port hand. There is good water throughout entrance.	1426
White, square, wood; dwelling 300 feet northeasterly from lighthouse.	36	1877	Hand horn answers signals from vessels.	.....	1428
White, square, wood, dwelling attached.	46	1877	Hand horn answers signals from vessels.	.....	1429
White, square, wood..	36	1873	.....	.....	1431
White, square, wood, dwelling attached. Fog-alarm building white, with brown roof.	28	1874	Steam horn sounds blasts of five seconds, with in- tervals of 25 seconds.	.....	1433
White, square, wood, dwelling attached. Lantern red.	40	1873 re- built 1895	.....	These two lights in one lead through the dredged channel at mouth of river.	1436
White, square, wood. Lantern red.	30	1873 re- built 1895	.....		1437
White, square, wood..	36	1882 mov'd 1887	Hand horn answers signals from vessels.	.....	1438
White, square, wood. Lantern red.	23	1895	Hand horn answers signals from vessels.	.....	1440
White, square, wood, with red iron lantern; white wooden build- ings on low ground, S. and W. of light.	30	1881 build- ings erect'd 1887	Hand horn answers signals from vessels.	.....	1441

PROVINCE OF

LAKE

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1444	SOUTH EAST BAY....	On S. side of entrance.	46 7 35	79 22 40	F. white.....	D. p..	30	10
1445	SOUTH RIVER.....	On point near tannery, on W. side of mouth.	46 3 40	79 32 30	F. white.....	D. p..	28	10

LAKE OF

1446	BISHOPS BAY.	Front range on small island about 200 feet N. of N.E. extremity of Royal Island.	49 27 53	94 45 35	F. white.....	D, 7..	17	5
1447		Back range on N. shore of Royal Island.	.....	.....	F. white.....	C	26	5
1448	SQUAW ISLAND.....	On island W. of S. point of island 37B.	49 17 48	94 49 10	F. white.....	D, p..	33	11
1449	FERRIS ISLAND ...	Off extreme West point of Bigsby Island.	49 3 6	94 39 25	F. white.....	D, 7..	36	11
1450	TOMAHAWK ISLAND..	On island off McAuley Bay.	49 1 38	94 30 35	F. white.....	D, p..	35	11
1451		Off S. extreme of Sable Island.	48 52 42	94 44 24	F. white.....	D, 7..	32	10
1452	RAINY RIVER... }	800 feet S.E. by S. from front light.	.....	.....	F. red	C	40	9

ONTARIO—*Concluded.*

NIPISSING.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, with red roof, square, wood, on cribwork pier.	21	1887	.....	.....	1444
Lantern on a mast, with white shed at base.	25	1887	.....	To guide to mouth of river, past shoals that extend N. and E. from mouth.	1445

THE WOODS.

White, square, wood ..	20	1897	.....	The two lights in one S. 30° E. lead through Bishops Bay from Bishops Point to the small islands N.E. of Royal Island clear of shoals.	1446
White, square, wood ..	28	1897	.....		1447
White, square, wood ..	33	1900	.....	Visible all round the horizon	1448
White, square, wood ..	28	1897	.....	.....	1449
White, square, wood ..	33	1901	.....	Visible around the whole horizon...	1450
White, square, wood, on cribwork pier.	30	1886 mov'd 1895	.....	The two lights in one lead to the mouth of Rainy River, the channel into which is marked by buoys.	1451
White, square, skeleton framed, wooden, on cribwork pier; alignment side slatted, top enclosed.	36	1895 mov'd 1899	.....		1452

PROVINCE OF

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1454	MOUTH OF RED RIVER RANGE.	Main tower on pile foundation on E. side of channel.	50 23 24	96 46 23	F. white.....	C....	45	12
1455		On W. side of channel 3,600 ft. N. 1° 15' W. from back tower.	.....	.....	F. white.....	C....	23	10
1456	GULL HARBOUR.....	Northeast end of Big Island, east end of south entrance point of harbour.	51 11 18	96 35 48	F. white.. ..	D, 7..	26	10
1457	BLACK BEAR ISLAND.	On east end of island ..	51 46 54	96 53 20	F. white.	D, 7..	38	11
1458	PLUNKETT ISLAND..	W. end of island off S. side of Berens Island.	52 14 48	97 18 18	F. white.....	D, 7..	42	11

MANITOBA.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood, with vertical red stripe on side facing the channel. Lantern red.	45	1895	.....	The two lights in one lead to the entrance of the curved channel, which is marked by beacons.	1454
White, square, wood. Upper part closed, lower part open.	30	1895	.....		1455
White, square, wood ..	27	1898	.....	Visible from all points of approach by water.	1456
White, square, wood ..	27	1898	.....	Visible from all points of approach by water.	1457
White, square, wood, upper part closed, lower part open.	35	1884	.....	Visible from all points of approach.	1458

PROVINCE OF

KOOTENAY

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1459	BALFOUR	Mouth of Kootenay River.	49 35 0	117 0 0	F. white.....	D, 7 ..	20	5
1460	KASLO	End of spit, Kootenay Lake.	49 55 0	117 0 0	F. white.....	Elec- tric.	21	4

PACIFIC COAST

1464	CAPE BEALE.....	S.E. point of entrance to Barkley Sound on W. coast of Vancouver Island.	48 47 30	125 13 16	Rev. white, 30 seconds. Red sector between bearings of E. and S.S.E.	C...	178	19
1466	CARMANAH	On point 2 miles W. by N. $\frac{1}{2}$ N. from Bonilla Point.	48 36 25	124 45 55	Gp. rev. white, white flashes, 30 seconds, eclipse 30 seconds, complete revolution 1 minute.	C....	173	19
1468	WILLIAM HEAD QUARANTINE STATION.	Extreme of William Head, 90 feet from high water mark.	48 20 23	123 31 45	F. red.....		30	4
1469		30 feet S. by W. $\frac{1}{2}$ W. from front light.			F. red.....		36	4
1471	RACE ROCKS.....	In Strait of Juan de Fuca.	48 17 36	123 32 15	Fl. white 10 seconds	D, 2..	118	18
	CAPE FLATTERY.....	U.S. light.						
1473	FISGARD.....	On a rock, at western entrance to Esquimalt Harbour.	48 25 43	123 27 15	F., see remarks...	D, 4..	67	12

BRITISH COLUMBIA.

LAKE (Inland Navigation.)

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Lantern on mast.	25	1895	.....	.....	1459
Light on pole.	20	1897	.....	.....	1460

NAVIGATION.

White, square, wood, with dwelling attached.	42	1874	.....	Visible from east round by N. to W. by N. $\frac{1}{2}$ N. The light should not be brought to bear to the northward of E. $\frac{1}{2}$ N., as there is foul ground to the northward of the N. limit of the light. The red sector shows over dangers in Barkley Sound. Entrance to Sound should not be attempted without local knowledge or a pilot.	1464
White, square, wood, red iron lantern, with white dwelling attached. Fog-alarm building in front of and below tower.	46	1891	Steam horn gives blasts of 6 seconds in every 30 seconds. A whistle also used to communicate with vessels by private code.	Strangers may communicate with station by whistle sounds, using Morse or Continental Code. Should not be approached within one mile, to clear Rosedale Reef.	1466
Lantern on mast. ....	.....	1898	.....	Maintained by Department of Agriculture. Entering quarantine, proceed northward until the two mast lights are abaft the beam, then proceed westwardly until they are in one which will define the limit of the quarantine anchorage.	1468
Lantern on mast. ....	.....	1898	.....		1469
Alternate black and white horizontal bands, circular, stone; dwelling attached.	105	1861	12-inch whistle sounds blasts of 5 seconds, with intervals of 1 minute and 12 seconds.	Four short blasts of whistle in answer to vessel's signal will indicate northern portion of strait clear of fog.	1471
White circular, brick. Red brick dwelling attached.	56	1861	.....	Shows white in fair way between bearings N. $\frac{1}{2}$ W. and N.W. by W. $\frac{1}{4}$ W. and clears all offlying dangers. Shows red from N.W. by W. $\frac{1}{4}$ W. to S. $\frac{1}{4}$ E. in Esquimalt harbour, and to vessels bound for Victoria or Esquimalt from the eastward after rounding Trial Island, it will indicate their distance from shore. If bound to Esquimalt a W. S. W. course leads outside of Brochy Ledge until the light changes from red to white, when it may be steered for, not before. A white ray is shown to the westward of S. $\frac{1}{4}$ E. into Esquimalt harbour.	1473

PROVINCE OF

PACIFIC COAST

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1476	BROTCHY LEDGE BEACON.	Off entrance to Victoria Harbour.	48 24 20	123 23 40	Occ. white, visible 40 secs., eclipsed 20 secs.	D, p, electric,	22	9
1477	BERENS ISLAND.....	Western entrance to Victoria Harbour.	48 25 22	123 24 0	Occ. white with red sector, visible 15 seconds, eclipsed 5 secs.	D, 6..	44	10
1478	SHOAL POINT BEACON	Outer end of spit off the point, in Victoria Harbour.	48 25 24	123 23 40	F. red.....	D, p..	5	3
1479	MIDDLE ROCK BEACON.	In Victoria Harbour...	48 25 22	123 23 20	F. white.....	D.....	8	3
1481	FIDDLE REEF.....	On reef.....	48 25 39	23 17 26	F. white with red sectors over foul ground on western side of channels approaching the light.	D, 7..	30	10
1483	DISCOVERY ISLAND..	On eastern extremity of Island in the Strait of Haro.	48 25 20	123 13 42	F. white.....	D, 6..	91	15
	TURN POINT.....	U.S. light.						
1485	SATURNA ISLAND....	On East point.....	48 47 0	123 3 2	Rev. white, 30 seconds.	C.....	125	17
	PATOS ISLAND...	U.S. light.						
1487	PORTLOCK POINT....	On N.E. extremity of Prevost Island, Trincomali Channel.	48 49 50	123 21 30	F. white with red sector over Enterprise Reef.	D, 7..	72	10
1489	ACTIVE PASS.....	On Georgina Point, Mayne Island, Strait of Georgia.	48 52 25	123 17 50	F. white.....	D, 6..	55	12
1491	BARE POINT.....	On extremity of Point, Horseshoe Bay.	48 56 0	123 42 10	F. white.....	D, 7..	36	13
1492	WALKER ROCK.....	Trincomali channel....	48 55 28	123 29 40	F. white.....	D, p..	15	8

BRITISH COLUMBIA—*Continued.*NAVIGATION—*Continued.*

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Black, steel-sheathed, conical beacon; black, steel, open framework top.	.....	1900	Electric horn gives blasts of 20 seconds with intervals of 40 seconds. Cannot be operated between sunrise and sunset on Sundays.	Visible from all points of approach. Light must not be depended on. In event of failure of supply of electricity temporarily, oil light will be shown.	1476
White, square, wood, dwelling attached. Bell tower on seaward side.	30	1876	Bell rung by hand answers vessels' signals.	Light bears from Brocthy Ledge buoy N. N. W. $\frac{1}{2}$ W. Shows red over Brocthy Ledge.	1477
Hand lantern attached to cluster of 3 piles, forming beacon.	.....	1889 ch'ged 1894	.....	In storms dependence must not be placed on this light.	1478
Hand lantern attached to cluster of 3 piles, forming beacon.	.....	1891 ch'ged 1894	.....	In storms dependence must not be placed on this light.	1479
White, square, wood, on concrete pier.	30	1898	.....	Shows fixed red over $45^{\circ} 30'$ between S. by W. $\frac{1}{4}$ W. through S. to S. S. E. $\frac{1}{4}$ E. and over $48^{\circ} 30'$ between N. $\frac{3}{4}$ W. and N. E. $\frac{1}{4}$ N., remainder of circle fixed white. When the light changes from red to white the fairway is open, and the white light must be kept open. The red sectors do not cover Thames shoal nor the $2\frac{1}{2}$ -fathom patch on Five-fathom shoal.	1481
White, square, wood, dwelling attached. Fog-alarm building, wood, white, with brown roof.	47	1886	Steam horn gives blasts of 8 seconds, with intervals of one minute between them.	Visible from S. E. $\frac{1}{4}$ S. round by S. W. and N. to N. E. by N. $\frac{1}{4}$ N. Steam fog horn established 1890, 300 feet S. Eastwardly of light, 45 feet above high water mark.	1483
White, square, wood, with dwelling attached. Iron lantern red.	58	1888	.....	Visible from N. E. $\frac{1}{2}$ N. round by W. to S. E. by E. $\frac{1}{4}$ E. Light should not be approached from N. or W. within $1\frac{1}{2}$ miles.	1485
White, square, wood, kitchen attached. Lantern red.	48	1895	Bell on low point 900 feet S. E. of light gives a stroke every 15 seconds.	.....	1487
White, square, wood, with dwelling attached. White fog-alarm building with brown roof and white tank house near by.	42	1885	Fog horn established 1893, gives blasts of 10 seconds' duration, with intervals of 50 seconds.	Coast light, and indicates the eastern entrance to Active Pass. Visible from W. $\frac{1}{2}$ S. round by N. to N. E. $\frac{1}{2}$ N. Light in sight clears dangers between Active Pass and East Point.	1489
White, square wooden dwelling, with lantern on roof.	30	1897	.....	.....	1491
Lantern on small, white, square, wooden tower, on stone beacon.	.....	1900	.....	Visible from all points of approach by water.	1492

PROVINCE OF

PACIFIC COAST

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1493	FRASER RIVER.....	On S.W. end of Sturgeon Bank, old North Sand Heads, about 1 $\frac{1}{2}$ miles southeasterly of present entrance to main channel.	49 5 0	123 17 10	F. white	D, 3..	52	12
1494	SAND HEADS BELL-BUOY.	In 17 fathoms $\frac{1}{2}$ of a mile S.W. $\frac{3}{4}$ S. from first black buoy.	49 6 55	123 18 18	.....	.....	.....	.....
1495	GARRY POINT.....	On platform of tide gauge.	49 7 18	123 11 12	F. red	D, 7..	22	6
1497	POINT ATKINSON....	N. point of entrance to English Bay and Burrard Inlet.	49 19 42	123 15 54	Rev. white, one minute.	C....	96	15
1498	PROSPECT POINT....	Under bluff at Prospect Point, First Narrows, Burrard Inlet.	49 18 34	123 8 0	F. white.....	D, 7..	28	10
1499	BROCKTON POINT....	Inside First Narrows of Burrard Inlet, at entrance to Vancouver Harbour.	49 17 52	123 6 50	F. See remarks..	D, 7..	52	8
1501	ENTRANCE ISLAND...	Nanaimo, Strait of Georgia.	49 12 30	123 48 45	F. white, with red sector of 7 $\frac{1}{2}$ ° over Gabriola reef.	D, 5..	65	14
1503	GALLOWES POINT BEACON.	S. side of entrance to Nanaimo Harbour.	49 10 12	123 55 31	F. red	D, p..	18	3
1504	MIDDLE GROUND BEACON.	Nanaimo Harbour.....	.....	.....	F. white.....	D, p..	8	2
1506	BALLINAC ISLANDS..	On S.E. part of the more easterly of the islands.	49 20 35	124 7 30	F. white.....	D, 7..	100	16
1507	THE SISTERS.....	On easterly and largest rock.	49 29 3	124 27 34	Occ. white, vis. 20 sec. and eclipsed 10 sec. alternately.	D, 6..	46	12

BRITISH COLUMBIA—Continued.

NAVIGATION—Continued.

Colour and any peculiarity of Buildings.	Height in feet of building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, hexagonal, wooden tower on iron pile foundation.	49	1866 light-house built 1884	Fog bell attached to the tower, gives a stroke every 20 seconds.	From the light No. 1 black buoy at entrance to river bears N.W. $\frac{3}{4}$ N. $1\frac{1}{4}$ miles.	1493
Red iron buoy, surmounted by staff and globe.	.....	1892	Bell rung by motion of buoy on waves.	.....	1494
Lantern on tide gauge platform.	.....	1898	.....	Used by light draft fishing vessels.	1495
White, square, wood, dwelling attached.	41	1875	Steam horn 300 feet from lighthouse, established 1889, sounds blasts of 8 seconds, with intervals of 1 minute between them.	Visible from the entrance to Burrard Inlet to an E. by N. $\frac{3}{4}$ N. bearing. Should not be brought to bear to westward of N. by vessels in the Strait, as this bearing will only lead clear of Sturgeon Bank, off Fraser River.	1497
Red lantern rising from red roof of white square wooden building.	31	1898	Bell sounds 1 stroke every 20 seconds.	In entering harbour, when light is visible all dangers on starboard side are cleared.	1498
Lantern on a mast. Fog-alarm building of wood, white, with brown roof.	30	1890	Bell sounds one stroke every 20 seconds.	Light white from all points of approach except over Burnaby Shoal, which is covered by a red sector over arc of $29\frac{1}{2}^{\circ}$ between W.N. W. and W. $\frac{3}{4}$ S. Bell elevated 42 feet above high water mark and faces N. by E.	1496
White, square, wood, with dwelling attached.	50	1876	Steam horn close to light-house, to eastward, established 1894, sounds blasts of 8 seconds, with intervals of 45 seconds between them.	Light red from W. to W. $\frac{3}{4}$ N. From points S. of this light obscured by high land. Vessels from S. should not change course to W. until light changes to white, which will clear Gabriola reef beacon $\frac{1}{2}$ mile.	1501
White, square, wood, on platform on piles painted black.	.....	1892 moved 1901	.....	Visible from all points of approach by water.	1503
Lantern attached to cluster of 3 piles forming beacon.	.....	1892 changed 1894	.....	This beacon is 2,030 feet S. 72° W. from Gallows Point.	1504
White, square, wood...	33	1900	Hand horn answers signals from vessels.	Visible all round the horizon. When bearing from S. 75° E. through S. to S. 21° W. light may be obstructed by trees.	1506
White square tower rising from corner of rectangular dwelling. Lantern red.	36	1898	Bell attached to building gives stroke every 30 seconds.	.....	1507

PROVINCE OF

PACIFIC COAST

No.	Name.	Location.	Latitude N.	Longitude W.	Characteristic of Light.	Character of Illuminating Apparatus.	Height in feet of Light above high water mark.	Miles seen in clear weather.
1509	YELLOW ISLAND...	Back tower near eastern extremity of island.	49 28 16	124 42 10	F. white.....	D, 7..	71	13
1510		Front tower 290 feet S. 74° W. from back one.	.....	.....	F. white.....	C....	48	12
1512	CAPE MUDGE.....	West extremity.....	50 0 5	125 13 18	F. white.....	D, 7..	32	10
1514	EGG ISLAND.....	On summit of small islet, on the west side of island	51 14 43	127 50 58	Rev. white, 30 seconds.	C....	72	14
1515	POINTER ISLAND....	S. E. end of island, S. of E. entrance to Lama passage.	52 3 48	127 58 40	F. white.....	D, 7..	42	12
1516	DRYAD POINT (TURN POINT).	N. entrance, Main passage, Seaforth channel.	52 11 14	128 8 24	F. white.....	D, 7..	36	11
1517	IVORY ISLAND.....	On Surf point, Milbank sound.	52 16 15	128 25 50	F. white.....	D, 7..	66	13
1518	LAWYER ISLANDS...	On W. side of northernmost island, 780 feet from its N.W. end.	54 6 58	130 20 47	F. white.....	D, 5..	55	13

BRITISH COLUMBIA—*Concluded.*NAVIGATION—*Concluded.*

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, wood .. whitedwelling nearby.	28	1890 ch'ged 1898	.....	Back light visible all around the horizon, front light visible only to the westward and in the direction of the fairway. The lights in one mark the fairway between Maple Spit beacon and Reef Point in a direction S. 74° W. and N. 74° E. favouring the Demman Island or Reef buoy side of the channel in not less than 10 fathoms of water.	1509
White, square, wood ..	20	1898	.....		1510
Red lantern rising from red roof of white square wooden dwelling.	30	1898	.....	Visible over an arc of 205° between the bearings of S. 48° E. through N. to N. 73° W.	1512
White, square, wood, dwelling attached. Lantern red.	50	1898	Hand horn answers signals from vessels.	Visible between the bearings N. 45° W. through E. to S. 6° W., over remainder of horizon light obscured by high land of Egg Island.	1514
Red lantern rising from red roof of white square wooden dwelling.	30	1899	Hand horn answers signals from vessels.	Visible over an arc of 214° between S. 56° E. through S. and W. to N. 22° W.	1515
White, square, wood, lantern red; white dwelling with brown roof attached.	39	1899	Hand horn answers signals from vessels.	Visible over an arc of 257° between S. 63° E. through S., W. and N. to N. 14° E.	1516
Red lantern rising from red roof of white square wooden building.	30	1898	Hand horn answers signals from vessels.	Visible over an arc of 233° between the bearings S. 75° W. through N. to S. 52° E.	1517
White, square, wood, red polygonal iron lantern; dwelling attached.	48	1901		Visible over an arc of 231° between N. 73° W. through N. and E. to S. 22° E. Between N. 73° W. and N. 65° W. the light will be obscured at intervals by trees.	1518

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