

ESTABLISHMENT RECORDS

55187

LIST

OF

LIGHTS AND FOG-SIGNALS

ON THE

COASTS, RIVERS AND LAKES

OF THE

DOMINION OF CANADA

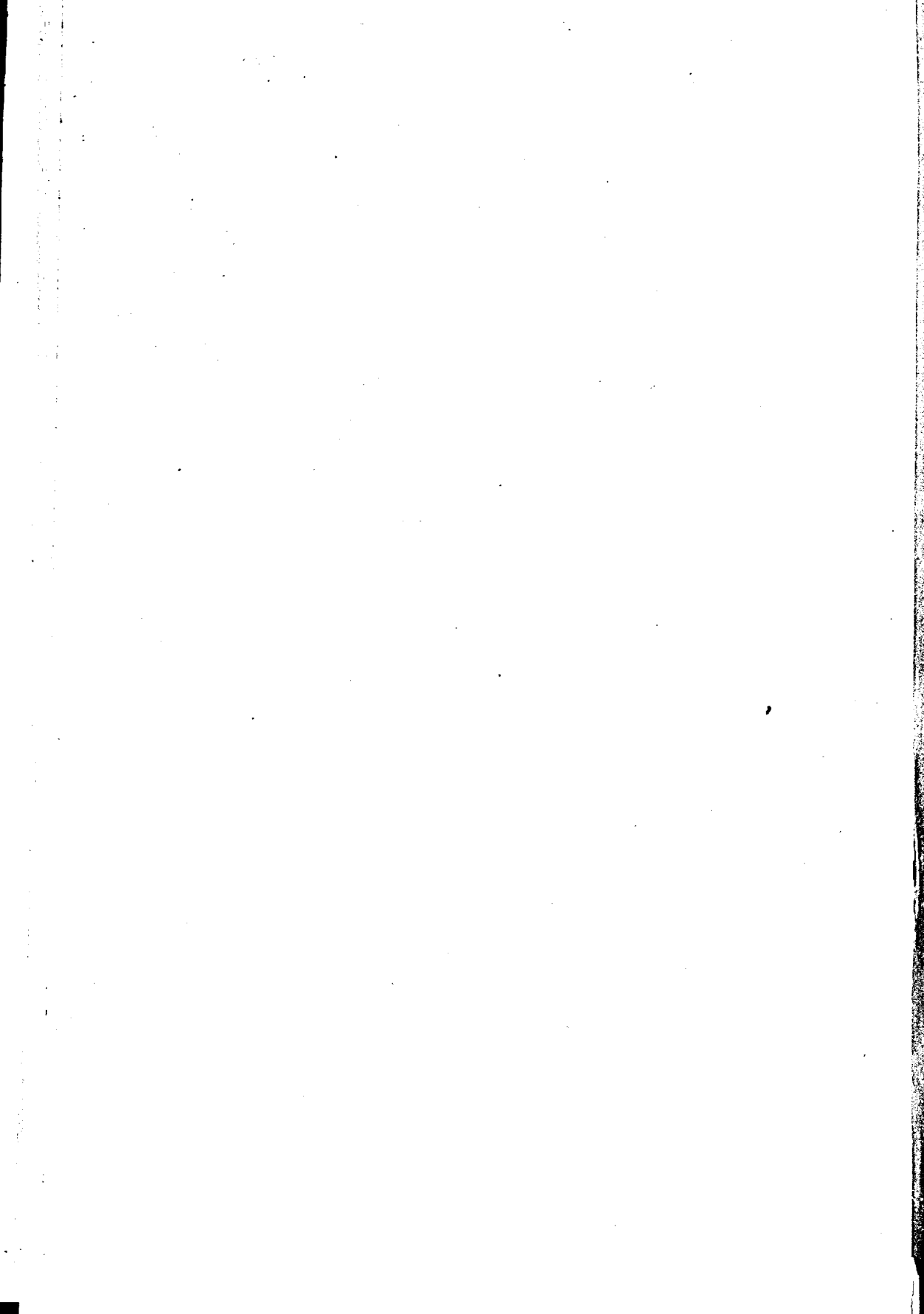
CORRECTED TO THE

1st April, 1899

DEPARTMENT OF MARINE AND FISHERIES



OTTAWA  
GOVERNMENT PRINTING BUREAU  
1899



# 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.

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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 can 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, 1899.

# 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,	4·44 nautical miles.
100    "                                   "	11·47           "
	<u>15·91</u>

# ABBREVIATIONS AND EXPLANATIONS

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## 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.
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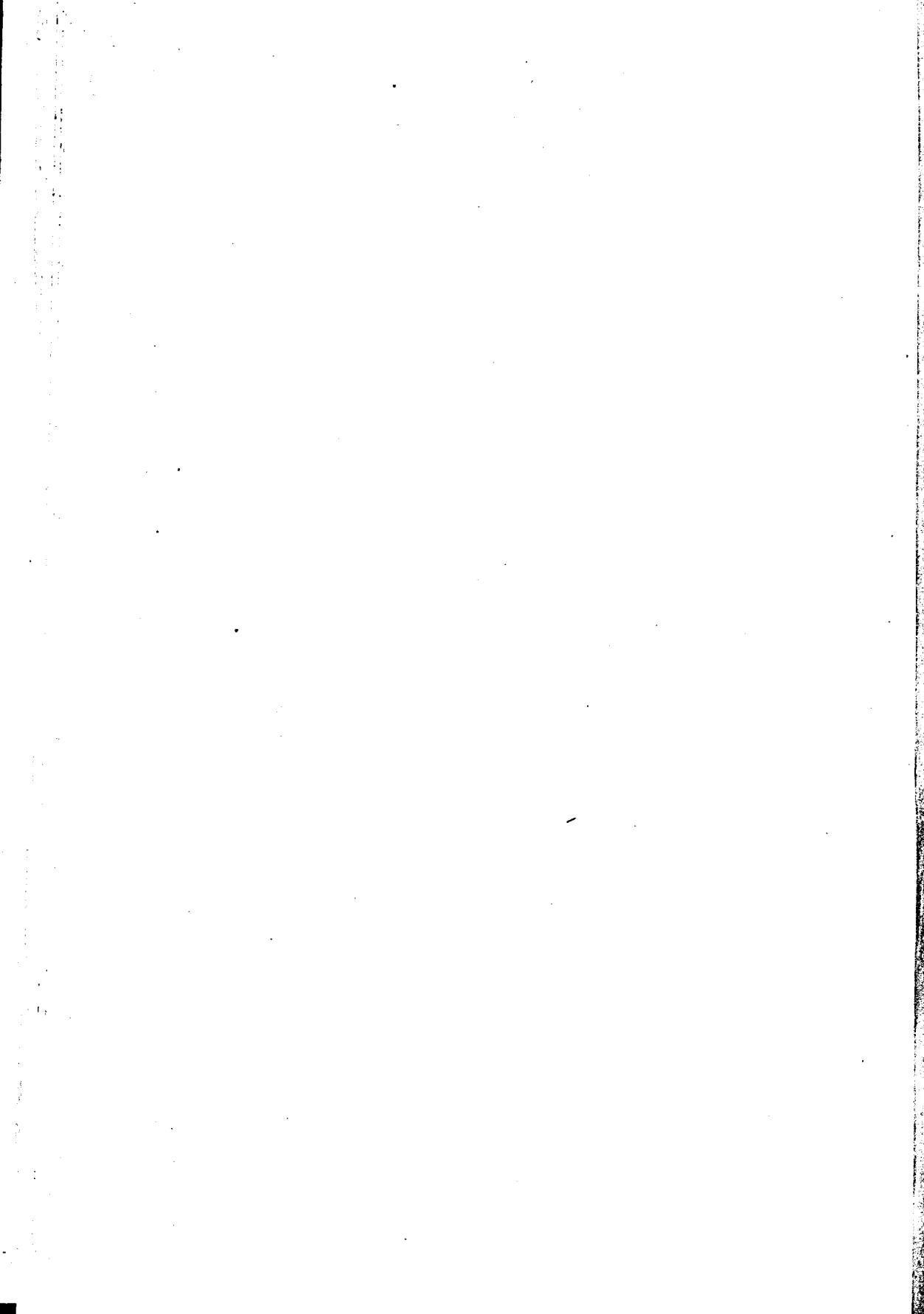
## ILLUMINATING APPARATUS.

- C. Catoptric, or by metallic reflectors.
- D. Dioptric, or by refracting lenses numbered from the first order downwards. Those marked of the 7<sup>th</sup> order are anchor lenses or anchor lens lanterns of 5 inches focal distance; those marked "p" are inferior pressed glass lenses, principally of 3½ 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 thick 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.

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## 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.

## 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.
1	LITTLE RIVER.....	U.S. Light.						
2	MACHIAS SEAL ISLAND.	Near middle of island..	44 30 7	67 6 13	F. white.....	D, 2..	54	12
3	GANNET ROCK.....	64 yards S. E. from north westerly light.			F. white.....	D, 3..	66	13
		S. of Grand Manan....	44 30 38	66 46 57	F. & Fl. white.... Light 45 sec. Eclipsed 5½ " Flash 4½ " Eclipsed 5½ " In every 60 "	D, 4..	66	13
5	SOUTH-WEST 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 fls. 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	SWALLOW TAIL..	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. 1½ miles S.S.E. from S.W. Wolf light.	44 55 20	66 42 30				
13	SOUTH-WEST WOLF ISLAND.	On S.E. Point of the island.	44 56 30	66 44 00	Rev. white 1½ min-utes.	C....	111	16
	QUODDY HEAD.....	U. S. light and whistle.						
	S.W. HEAD LIGHT..	Described above, No. 5.						
15	MULLHOLLAND 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	36	1832	Steam-whistle sounds 5 seconds in every 30 seconds	In range N.W. lead $4\frac{1}{2}$ miles S. of Murr Ledges.	1
White, octagonal, wood	53	1832 reb't 1875			2
Black and white vertical stripes, octagonal, wooden.	41	1831	Cotton powder bombs exploded every 20 minutes.	Dangerous rocks extend 4 miles eastward of the light.	3
White, square, wood, with dwelling attached.	43	1880			5
White, square, wood, dwelling attached.	32	1879		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		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. $8\frac{1}{2}$ miles; and Lepreau light E. by N. $\frac{3}{4}$ N., $13\frac{1}{2}$ miles.	12
White, square, wood, lantern on dwelling.	35	1871		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.		16

## 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.	
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			MIDJIC 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. red.....	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
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 point.....		45 3 32	66 27 45	F. white.....	.....	.....
32		DIPPER HARBOUR...	On S. point of Campbell's Island.		45 5 30	66 25 0	F. red.....	D, 7..	30

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.....	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	.....	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 lighthouse, 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	.....	.....	26
White, square, wood, with dwelling attached.	31	1878	.....	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
White, square, wood..	36	1875	.....	Seen at all points between eastern and western heads of harbour.	29
Iron buoy surmounted by 10-inch whistle.	.....	.....	Whistle sounded by motion of waves.	.....	30
Temporary light, lantern on a mast.	48	1831	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	.....	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.
43	SPLIT ROCK WHISTLING BUOY.	In 30 fathoms off Split Rock.	45 7 10	66 14 0	.....	.....	.....	.....
35	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 14 3	66 3 5	F. white.....	D, 3..	119	17
38	PARTRIDGE ISLAND BELL BOAT.	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 53	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.....	.....	45 16 50	66 9 15	F. white.....	D.....	150	10
43	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	BELYEAS POINT....	On Nathaniel Belyea's Point, W. side of River.	45 23 5	66 14 30	F. white.....	D, 7..	40	11
48	WILLIAMS LANDING..	Near outer end of public wharf.	45 30 50	66 7 45	F. white.....	D, p..	30	10
49	OAK POINT.....	Low land, W. side of river.	45 32 10	66 8 0	F. white.....	C....	50	10
50	FLEWELLINGS LANDING.	West side of river, Parish of Greenwich.	45 33 0	66 9 8	F. red.....	D, p..	25	5

WICK—Continued.

FUNDY—Continued.

Colour and any peculiarity of Building.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Iron buoy, surmounted by a 10-inch whistle.			Whistle sounded by motion of waves.	Location S. W. by S. $\frac{3}{4}$ S. from Musquash light, S. $\frac{1}{4}$ W. from Western head of Musquash, and W. S. W. from Partridge Island.	34
White, square, wood, with dwelling attached.	40	1879			35
Vertical red and white stripes, octagonal wooden, with red iron lantern.	40	1791	Steam-whistle sounds 10 seconds every minute.		37
Iron boat surmounted by a tower and bell.			Bell rung by motion of the boat on the waves.		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			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			42
Red skeleton steel tower, upper enclosed part white, lantern red.		1869 changed 1898			43
White, square, wood ..	36	1882		To guide clear to Purdy's Shoal. ....	46
Lantern on a mast ....		1884		To guide through Long Reach. ....	48
Lantern on mast, with white shed at base, all elevated on open framework.		1869			49
Lantern on a white mast .....		1885		Shows from N. E. round through E. to S. W.	50

## NEW BRUNSWICK

## 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.
51	BELLE ISLE PUBLIC LANDING RANGE.	Front light at landing at head of dredged channel.	45 39	5 65 57 30	F. white.....	D, p..	50	5
52		Back light 160 feet N. by E. $\frac{3}{4}$ E. from front	.....	.....	F. red.....	D, p..	26	
53	PALMERS LANDING..	On the outer end of new government wharf.	45 35 42	66 2 55	F. white.....	D, p..	34	11
55	WASHADAMOOK LAKE.	MUSQUASH ISLAND. Queen's County.....	45 42 40	66 6 40	F. white.....	C.....	33	10
56		HENDRY FARM Queen's County, 2 to 3 miles N.E. of Musquash Island light.	45 43	0 66 5 30	F. white.....	C.....	30	10
58	GAGETOWN.....	W. side of river.....	45 46	0 66 11 0	F. white.....	D, 7..	53	8
59	JEMSEG.....	On S. side lower Jemseg entrance.	45 47	0 66 8 40	F. red.....	D, p..	34	3
61	GRAND LAKE.	COX POINT.....	46 2	0 66 1 0	F. white.....	C.....	26	10
62		MCMANN'S 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
	PARTRIDGE ISLAND..	See above, No. 37.						

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
Lantern on a mast....	45	1890	.....	Lights visible between the bearings of N.E. through N. to S.W. In range show centre of dredged channel N. by E. $\frac{3}{4}$ E. At outer end of channel, a black can buoy is moored and sides are balized.	51
Lantern hung on end of Israel Noble's dwelling which is white, square, wood.	17	1890	.....		52
White, square, wood..	28	1884 mov'd 1896	.....		53
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 Buzzas.	58
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

## 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.
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 56	65 54 35	Alt. red and white 45 seconds.	C .....	207	20
72	QUACO LEDGE BELL BUOY.	In 10 fathoms $\frac{1}{8}$ mile N.W. of ledge.	45 14 35	65 22 40	.....	.....	.....	.....
73	QUACO, WEST HEAD.	On pitch of cape St. Martin's.	45 19 30	65 32 10	Rev. white, 20 seconds.	C .....	110	16
74	QUACO BELL BUOY...	Off the reef at west head in 14 fathoms $\frac{1}{2}$ mile S.S.E. from light.	45 19 36	65 31 30	.....	.....	.....	.....
75	QUACO PIER.....	On outer end of breakwater pier.	45 21 20	65 31 55	F. red.....	D, p..	20	
77	ANDERSONS HOLLOW	On eastern end of Government breakwater.	45 37 30	64 49 45	F. red.....	D, 7..	23	6
	APPLE RIVER.....	See N.S. lights below No. 85.						
78	CAPE ENRAGÉ.....	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	WARDS POINT....	Rockport .....	45 43 35	64 29 40	F. white.....	D, p..	72	10
81	FORT FOLLY POINT..	On extreme point.....	45 52 56	64 33 55	F. white.....	D, 7..	77	14

For lights on the Gulf of St. Lawrence coast of New Brunswick, see 415 and following numbers.

WICK—*Concluded.*

FUNDY.

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 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. $\frac{1}{4}$ 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	.....	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, surmounted by a bell.	.....	.....	Bell rung by motion of buoy on the waves.	.....	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 to guide to St. Martin Harbour.	73
Black iron buoy, surmounted by a bell.	.....	.....	Bell rings by action of waves.	.....	74
White, square, wood..	21	1887	.....	Visible between W. by N. $\frac{1}{2}$ W. 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
White, square, wood..	24	Re-built 1893	.....	Vessels may run for harbour one hour before high water, giving the light 50 ft. of a berth on port hand.	77
White, square, fog-alarm building of gray 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 $315^\circ$ 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	.....	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, on 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, 7..	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	PARRSBORO' 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	SALTERS HEAD..	On shore of Basin of Mines.	45 20 10	63 32 10	F. red.....	D, p..	60	5
98	BURNTCOA ....	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
102	KINGSFORT.....	On Oak Point pier.....	45 9 35	64 21 30	F. white.....	D, 7..	27	10
104	BLACKROCK.....	S. shore.....	45 10 15	64 45 50	F. white.....	C.....	45	12

BASIN OF MINES.

SCOTIA.

FUNDY.

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			89
White, square, with lantern on dwelling.	32	1852			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 reb'lt 1883			100
White, square, wood..	23	1878 reb'lt 1891		Visible from all points of approach.	102
White, square, wood.	35	1848		Light in lantern on roof of dwelling, visible from all points of approach.	104

## 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.	
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	
109	POINT PRIM OR DIGBY GUT.	S. point of entrance to Annapolis Basin.	43 41 30	65 47 10	F. white.....	C....	76	13	
110	ANNAPOLIS RIVER.	DIGBY PIER....	At outer end of pier...	44 37 40	65 45 6	F. red.....	D, p..	38	6
111		SHAFNERS 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	NORTH-WEST LEDGE BELL-BUOY.	In 15 fathoms, 400 yds, N.N.W. 1/2 W. from the N.W. Rock.	44 19 15	66 24 30	.....	.....	.....	.....	
116	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	
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	

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 and black horizontal stripes, 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 low 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.	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.	.....	1864	.....	.....	114
Red and black vertical striped iron buoy.	.....	1890	Bell rung by action of waves	.....	115
White, octagonal, wood Fog-alarm building S. of tower.	55	1809 Fog-alarm 1873	.....	.....	116
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
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

## 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.
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-BOUY.	In 8 fathoms W. by N. $\frac{1}{2}$ N. 600 ft. from Trinity ledge.						
128	PORT MAITLAND. ...	Or Maitland, 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 01				
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. $\frac{1}{3}$ W. from Cape Fourchu Light.	43 40 16	66 18 55				
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.	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

SCOTIA—Continued.

ATLANTIC COASTS.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signals.	Remarks.	No.
White, octagonal. ....	43	1868	.....	.....	125
Iron buoy, surmounted by a bell. ....	.....	.....	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 S.W. by W. 12½ miles.	126
White, square, wood..	27	1884	.....	Kept up only from 15th April to 15th November, each year.	128
Red and black horizontal bands with "Lurcher Shoal" in white. Iron buoy, with 10-inch whistle.	.....	1892	Whistle sounded by action of the waves.	Shoal lies 15 miles N.W. by W. ½ W. from Cape Fourchu light.	129
Red iron buoy, with 10-inch whistle. ....	.....	1894	Whistle sounded by action of the waves.	.....	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 Yarmouth 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, 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 10-inch whistle. ....	.....	1894	Whistle sounded by action of the waves.	.....	136
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. ½ N. N. and W. by W.	.....

## 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.
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.						
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
150	ST. JOHNS LEDGE BELL-BUOY.	In 22 fathoms, 1¼ miles S.W. by W. ¾ W., from the middle of the ledge.	43 29 50	65 49 30				
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
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

SCOTIA—Continued.

COAST.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signals.	Remarks.	No.
Alternate red and black horizontal bands with "Peases Id. Fy." 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.	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 surmounted by a 10-inch whistle.	.....	1882	Whistle sounds by action of waves.	.....	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
Red iron buoy, with "J. Ledge" in white letters, surmounted by a bell.	.....	1891	Bell rung by the action of the waves.	From the buoy Pubnico Light is open to westward of St. Johns Island, N.E. by N., 6¼ miles; S. tangent of Bon Portage Island bears S.E. ¾ S., 4¼ miles.	150
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.	153
White, octagonal. ....	50	1861 Fog- alarm 1876	Steam-whistlesounds 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, Wessex Ledge, S. W. by W. ¼ W., ¾ mile; Baccharo Light, S.S.E. ¼ E., 6½ miles; Bantam Rocks, S. by E. ¼ E. 6½ miles. To guide into Barrington Bay and through Barrington Passage.	157

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.
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.	$\frac{1}{4}$ mile S. W. of rocks, which lie $1\frac{1}{4}$ miles S. W. $\frac{1}{4}$ W. from Baccaro light.	43 25 38	65 29 8	.....	.....	.....	.....
162	BRAZIL ROCK BELL-BUOY.	In 22 fathoms $\frac{1}{2}$ mile S. by W. from the rock.	.....	.....	.....	.....	.....	.....
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.	Range lights building.	.....	.....	.....	.....	.....	.....
168	CAPE ROSEWAY .....	Near S.E. point of MacNutt Island, Shelburne Harbour.	43 37 15	65 15 45	Two F. white, 55 feet apart vertically.	C .....	( 120 65 )	( 17 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	LOCKPORT WHISTLING BUOY.	Off the approach to Ragged Island Harbour.	43 37 28	65 1 44	.....	.....	.....	.....
175	LOCKPORT FAIRWAY BELL BUOY.	In $12\frac{1}{2}$ fathoms $1\frac{5}{16}$ miles W. $\frac{1}{2}$ N. from Gull Rock light, and $3\frac{1}{16}$ miles N. $\frac{3}{4}$ W. from Carter's 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
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

SCOTIA—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 black ball seaward, square.	35	1850 new lantern 1882			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.			Bell rung by the motion of the waves.	From the buoy Baccaro Light bears N. 4 E. 6 miles; C. Sable Light N.W. by 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 rebuilt 1887		Life-boat station at Blanche, between Negro Island and Baccaro Point.	165
					166 167
Black and white vertical stripes, octagonal.	77	1788 repaired 1858	Trumpet, established 1834, sounds a blast of 10 seconds' duration every two minutes.		168
White, square, wood, on pier.	44	Re-built 1880			170
White, square, wood.	31	1853	Hand-horn answers signals from vessels.		172
White, square, wood.	29	1872			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's Island light bears N. by W. 4 W. 5½ miles, Gull Rock Light N.W. 4 N. 3½ miles, and a N.N.W. course leads about midway between the 4½ fathom patch and the Blow breaker up to S. end of Cranberry Island.	174
Red and black horizontal bands, with "Lockport 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, 2¼ miles distant.	175
White, square, wood, with dwelling attached.	29	1872			176
White, square, wood, metallantern, red, on roof of dwelling.	30	1865 changed 1889	Hand-horn answers signals from vessels.	Visible around horizon.	178

## 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.
180	PORT MOUTON.....	N.E. point, Spectacle Island, Queen's Co.	43 55	5 64 48 5	F. red.....	C.....	47	11
181	FORT POINT.....	Liverpool Bay, S. entrance.	44 2 35	64 42 20	F. red.....	C.....	30	7
182	BRQOKLYN PIER.....	On end of substantial part of breakwater, 115 feet from shore and 555 feet from outer end of breakwater.	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 $1\frac{3}{4}$ 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.....	Harbour light building.	.....	.....	.....	.....	.....	.....
190	LAHAVE BELL-BUOY.	In 22 fms., 3 miles, S. by E. from Moser Island light.	.....	.....	.....	.....	.....	.....
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 sec. onds.	C.....	72	13
196	LUNENBURG WHISTLING BUOY.	In 23 fms., $6\frac{1}{2}$ miles S.E. by S. $\frac{1}{4}$ 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.....	50	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, 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		Left on port side when entering the harbour.	181
White, square, wood..	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. $\frac{1}{4}$ E. $11\frac{1}{2}$ miles, Fort Point light N. W. $\frac{1}{4}$ N., and Western Head W $\frac{1}{4}$ 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 stripes, red and white, eight in number, octagonal.	50	1812			185
Alternate white and black vertical stripes, "Port Medway" on side.		1888 changed 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		Like a dwelling house.....	188
					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			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. $\frac{1}{4}$ E., 2 miles; West Ironbound light, S.W. by W. $\frac{1}{4}$ 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

## 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.
198	CROSS ISLAND.....	E. point Lunenburg Bay	44 18 45	64 9 57	Upper light, Occ. white. Bright 45 sec. Dark 15 " Lower light 35 feet below it. F. white.	C.....	100	14
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.... 32 " Eclipse... 38 " Complete rev. 3 min	C.....	66	w 13 R 8
206	NORTH-EAST SHOAL WHISTLING BUOY.	In 21 fathoms $1\frac{3}{4}$ miles E. by N. $\frac{1}{2}$ N. from the middle of N.E. Shoal.	44 25 54	64 0 2				
208	HUBBARD COVE.....	On Green Point, W. side of entrance.	44 37 14	64 3 10	F. red.....	D, 7..	60	11
209	CROUCHER ISLAND...	In St. Margaret Bay..	44 38 24	63 57 20	F. white.....	D, 7..	90	15
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
213	BETTY ISLAND.....	On Brig Point, near Prospect.	44 26 22	63 45 54	Rev. red, 2 minutes	C.....	75	14
214	TERENCE BAY.....	On Shipley Head, near Tenant Point.	44 27 40	63 42 10	F. red.....	D, p.	55	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.
Red, octagonal base...	58	1832	Steam-horn sounds 20 seconds every 1½ minutes.	} 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. ¼ N. course leads into St. Margaret Bay clear of Horseshoe Ledge.	206
White, square, wood, dwelling attached.	42	1886	.....	.....	208
White, square, wood, dwelling attached.	40	1882	.....	.....	209
White, square, wood..	26	1868	.....	Lantern on dwelling.....	210
White, square, wood, surmounted by red iron lantern. Keeper's residence 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
White, with two horizontal red bands, square, wood, dwelling attached.	54	1875	.....	Coast light.....	213
Mast with white shed at base.	25	1885	.....	.....	214

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.
216	SAMBRO .....	Middle of Island.....	44 26 10	63 33 28	F. white.....	D, 2.	115	16
218	SISTERS BELL-BUOY .....	In 22 fathoms S.E. by E. $\frac{1}{3}$ mile from the Blind Sisters.						
219	SAMBRO AUTOMATIC WHISTLING 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 AUTOMATIC WHISTLING BUOY.	In 36 fathoms outside entrance.	44 28 25	63 22 10				
223	INNER AUTOMATIC WHISTLING BUOY.	In 20 fathoms N.E. $1\frac{3}{8}$ miles from Chebucto Head lighthouse.	44 31 40	63 30 2				
224	THURM CAP BELL-BUOY.		44 33 57	63 29 51				
225	HERRING COVE..	Western Head .....	44 33 57	63 32 58	F. red.....	D, p.	45	8
227	MEAGHER BEACH	Sherbrooke tower, E. side of entrance to Halifax Harbour.	44 36 0	63 32 5	F. white.....	C....	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
	CHEBUCTO HEAD	See No. 220 above.						

HALIFAX HARBOUR AND APPROACHES.

COTIA—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, octagonal, wood	60	1758	Cotton powder signals exploded every 20 minutes.	Fog-signal derrick is erected on the seaward side of the lighthouse.	216
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. $\frac{1}{2}$ N., 7 $\frac{1}{2}$ miles; Sambro light N. $\frac{1}{2}$ W., 5 $\frac{1}{2}$ miles; Chebucto light, N. by E. $\frac{1}{2}$ 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. $\frac{1}{2}$ N. 8 $\frac{1}{2}$ miles. Devil's Island N. $\frac{1}{2}$ W. 7 $\frac{1}{2}$ miles, and inner signal buoy N.W. $\frac{1}{2}$ N. 6 miles.	222
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. $\frac{1}{2}$ 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, 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
White, with red roof, circular, granite.	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 Meagher Beach entering harbour keep the light on starboard bow.	227
Drab, square wood, fog-bell on W. side.	21	1876	Bell strikes 7 times a minute at equal intervals.	These lights open to westward of Meagher Beach, clear the westward of Thrumcap Shoal. These lights are obscured to the E. by highland 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 vertical and comparatively near the sea level must not be confounded with two lights of inferior power exhibited from a yard on Citadel hill flag-staff, about 240 feet above the sea.	228

## NOVA SCO

## 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.
230	DEVIL ISLAND...	On S. point of island.	44 34 50	63 27 15	F. white.....	C.....	59	13
231		175 yards W. $\frac{3}{4}$ S. from higher light.			F. white.....	C.....	52	12
234	JEDDORE ROCK.....	On summit of rock about 22 miles east of Halifax.	44 39 45	63 0 22	F. red.....	C.....	86	12
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 AUTOMATIC 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 Nichol Island, W. side entrance to Ship Harb'r	44 44 54	62 45 4	F. white.....	D, 7...	87	15
239	POPES 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., $\frac{5}{8}$ 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
246	BEAVER ISLAND.....	S. E. part of East Beaver	44 49 34	62 20 10	Rev. white, 45 seconds.	C.....	70	12
247	BEAVER HARBOUR...	On E. end of Beaver Point.	44 52 23	62 23 40	F. red.....	D, p...	40	6
249	LISCOMBE.....	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

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, 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	.....	Life-boat station at N.W. end of island.	231
White, square, wood, dwelling attached.	50	1881	.....	.....	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. $\frac{1}{4}$ 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. $\frac{3}{4}$ E.	244
White, with two black balls to seaward, S. S. W.	35	1846	.....	On dwelling.....	246
Lantern on mast, with white shed at base.	25	1887	.....	.....	24
White, square, wood..	28	1872	.....	.....	249
White, square, wood, with dwelling attached.	44	1879	Hand-horn answers signals from vessels.	.....	250

## NOVA SCO

## ATLANTIC COAST 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.
251	ISAAC HARBOUR WHISTLING BUOY.	In 25 fathoms $3\frac{3}{4}$ 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 $\frac{1}{4}$ 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, Guysboro' County.	45 6	8 61 32 30	F. white.....	C....	51	12
256	TORBAY.....	On eastern point of Berry Head, W. side of entrance to Bay, Guysboro' County.	45 11 37	61 18 35	F. red and white..	C....	51	10
257	COLE HARBOUR....	North side of entrance to harbour, 65 feet from water's edge. 650 feet N. 33° E. from front light.	45 15 45	61 17 0	F. red.....	D, 7..	40	8
258			.....	.....	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, Guysboro' County.	45 12	0 61 8 15	Rev. white, 20 seconds, 10 seconds flash, 10 seconds eclipse.	C....	55	11
262	CAPE BREAKER, BELL BUOY.	In 14 fathoms, 4 cables E.S.E. from middle of shoal.	45 18 20	60 54 0	.....	.....	.....	.....
263	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
264	GRIME SHOAL WHISTLING BUOY.	In 20 fathoms, $1\frac{1}{2}$ miles, E.S.E. of shoal.	45 21 13	60 50 45	.....	.....	.....	.....

TIA—Continued.

APPROACHES TO CAPE BRETON.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
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. $\frac{1}{2}$ 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.	251
White, square, wood, with dwelling attached.	20	1874	.....	.....	253
White, square, wood, dwelling attached.	28	1873	.....	Coast light and to guide vessels frequenting Country and Fisherman's 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.	256
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.	257
White, square, wood..	33	1898	.....	.....	258
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 Deming Point, western entrance to Whitehead.	261
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.	262
Red and white horizontal bands, octagonal, rising above the roof of a white dwelling, with red roof, attached.	78	1815 rebuilt 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.	263
Iron buoy surmounted by 10-inch whistle.	..	1880	Whistle sounded by action of the waves.	.....	264

## 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.	
266	SABLE ISLAND.	WEST END. ....	Some distance E. of extremity.	43 56 40	60 6 0	Gp. Rev. white, 3 flashes at intervals of $\frac{1}{2}$ minute followed by eclipse of $1\frac{1}{2}$ minutes.	C....	118	16
267		EAST END.....	$1\frac{1}{2}$ miles from extremity	43 58 10	59 46 20	F. white.....	D. 2..	123	17
269	CANSO HARBOUR....	On Hart or Cutler Island.	45 20 47	60 59 5	F. red.....	C....	42	12	
271	CROW HARBOUR. ...	On Rook Island, Chedabucto Bay.	45 21 56	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	GUT OF CANSO.	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	MADAME ISLAND.	C REIGHTON HEAD.	On the N. extremity...	45 30 40	61 6 0	Rev. white, 40 seconds.	C....	29	10
		NORTH CANSO..	See below, No. 331.						
279	JERSEYMAN ISLAND.	Arichat Harbour....	45 30 20	61 3 10	F. red.....	C....	39	11	
280	MADAME ISLAND.	ARICHAT.....	Marache Point, S. entrance to Arichat Harbour.	45 29 06	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	LENNOX PASSAGE.	CAPE LA RONDE.	W. side of entrance to St. Peter's 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 06	1 7 50	F. red.....	D, 7..	65	8	
289	OUETIQUE ISLAND	On S. point.....	45 36 40	60 57 15	F. red.....	C....	78	9	
291	JEROME POINT..	St. Peter's Bay, near entrance to canal.	45 39 56	60 52 0	F. red.....	C....	56	10	

TABLE A—Continued.

ISLAND.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, octagonal, wood, surmounted by an iron lantern with red roof, white wooden dwelling near by.	98	1873 mov'd 1888	.....	There is probably increased danger in navigating off the W. end of the island in consequence of the gradual submergence of the western bar and the removal of the light farther E. There is telephone communication between the six inhabited stations on Sahle Island.	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
White, square, wood, dwelling attached.	40	1882	.....	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's Bay	284
Lantern on mast, with white shed at base.	25	1884	.....	} Marking the principal turning points in Lennox Passage.	286
Lantern on mast, with white shed at base.	25	1884	.....		287
White, square, wood, with dwelling attached. Iron lantern red.	32	1884 Tower 1896	.....	.....	288
White, square, wood, dwelling attached.	28	1874	.....	To guide through Lennox Passage..	289
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.
	EDDY POINT.....	See above, No. 274.						
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 10½ fms. off Fourché Inlet. S. by E. from extremity of Fourché Head.						
295	GUION ISLAND.....	About 230 yards from W. end of Island.	45 46 10	60 6 30	Rev. red, 30 secs..	C....	74	12
297	GABARUS.....	On Harbour Point, S. shore of bay.	45 50 40	60 8 30	F. red ..	D, 7..	47	8
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				
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
310	COW BAY.....							
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

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.	.....	.....	.....	For benefit of fishermen.....	294
White, square, with dwelling attached.	54	1877	.....	.....	295
White, hexagonal, wood, iron lantern red.	32	1890	.....	Visible from all points of approach.	297
White, square, wood..	28	1897	.....	The two lights in one lead into the S.W. arm clear of all dangers.	299
White, square, wood..	28	1897	.....		300
White, with a black vertical stripe, on each side of wooden dwelling, iron lantern on roof	35	1842	.....	.....	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. $\frac{1}{10}$ mile. Leaving buoy $\frac{1}{2}$ cable on port hand a N.W. by W. course leads in one cable south of Nag Rock.	303
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	1859	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. Life-boat station.	307
.....	.....	.....	.....	Light discontinued.....	310
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

## NOVA SCO

## CAPE BRETON

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.	
316	SYDNEY BAR.....	On W. end of S.E. Bar.	46 12 26	60 12 39	F. red.....	C....	30	10	
318	CRANBERRY HEAD FOG-HORN.	On N. side, entrance to Sydney Harbour.	46 15 53	60 12 7	.....	.....	.....	.....	
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	S. PATRICK CHANNEL, GREAT BRAS D'OR.	CAREY POINT... ..	N. side of entrance to Great Bras d'Or.	46 17 45	60 25 0	F. red.....	D, p..	33	5
324		McNEIL BEACH.	On N. side of Boular- derie 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 en- trance 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 Frasers 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 Boulacet Harbour on northern side of Little Bras d'Or Lake	46 1 32	60 46 18	F. white.....	D, 7..	74	14	
333	BARRA STRAIT.	GRAND NARROWS BRIDGE.	On centre of swing of bridge joining the ex- tremities 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	GREAT BRAS D'OR LAKE.	CAMPBELL IS- LAND.	On eastern side of is- land, W. side of en- trance 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's 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

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, square, wood, dwelling attached.	20	1872	.....	Roman Catholic Church near N. W. Bar, bears N. W. $\frac{1}{2}$ N. $1\frac{3}{4}$ miles, and that near Gillivray Point E. N. E. easterly.	316
Drab, with red roof, wood.	.....	1887	Steam-horn 52 feet above water gives blasts of 10 seconds duration every minute.	.....	318
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	.....	.....	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 painted red.	38	1895	.....	To guide vessels into Boulaceet Harbour.	331
Lanterns over centre of superstructure. White light immediately over coloured ones.	.....	1889	.....	Lights will show red up and down channel when swing is closed, green when open. White light always shows. Maintained by railway company.	333
White, square, wood...	38	1884	.....	.....	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

## 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.
344	ST. PETER INLET.	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..	30	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.....	Lighthouse building..						
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
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. $\frac{1}{2}$ 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

TLA—Continued.

ISLAND.

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	1884 changed 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
.....	.....	.....	.....	.....	357
White, square, wood, square tower, surmounted by iron lantern rising from roof of dwelling.	26	1876	.....	Coast light.....	359
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

## 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.
369	MARGAREE HARBOUR	On outer end of break-water pier.	46 26 35	61 6 40	F. red and white..	D, p..	21	4
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
376	PORT HOOD.....	S.E. side of entrance to harbour.	46 0 06	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 06	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's Bay.	45 39 40	61 44 30	F. red.....	C.....	50	9
387	CAPE GEORGE.....	N. side of Cape.....	45 52 50	61 55 0	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 06	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..	21	1885	.....	The light shows red over an arc of 70° from S. by E. $\frac{3}{4}$ E. to S.W. $\frac{1}{2}$ W. to seaward, and white from the eastern and western sides of the lantern. In entering the harbour the light on the eastward side of the lantern should be kept close aboard in passing.	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
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.	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 .....	23	1868	.....	Obscured on easterly bearings....	385
White, square .....	39	1861	.....	.....	387
White, square, wood..	30	1898	.....	.....	388
White, square .....	32	1853	.....	Life-boat 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.
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 Fraser's 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 Straits.	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. $\frac{2}{3}$ 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—*Concluded.*

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square.....	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 harbour, red seaward.	403
White, with iron lantern 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 with red sector to indicate anchorage.	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 Juniper Pt. N.W. by N. 4,340 feet from front one.	.....	.....	F. white . . . . .	C . . . .	72	14
414	ANNANDALE WHARF.	N.W. corner of wharf. . . . .	.....	.....	F. red. . . . .	.....	11	1
415	CARDIGAN RIVER. . . . .	Between Ferry Wharf and Morrison's 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 $\frac{1}{2}$ mile N. W. by W. $\frac{3}{2}$ 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. $\frac{1}{2}$ 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. Red sector temporarily shown until breakwater light resumed.	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..	13	1898	.....	In entering river keep range lights in one until day beacon is on starboard bow and back light is being obscured by the high land, alter course to N.W. by W. $\frac{1}{2}$ W. and then continue until wharf light and back light are in one, which range leads to Annandale wharf. With an on-shore breeze strangers should not attempt to enter.	412
White, square, open frame, slatted face.	56	1898	.....		413
Lantern on a mast ....	8	1898	.....		414
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.W. by W. $\frac{1}{2}$ W. to the point clear of obstructions.	418

## 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.
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 seconds.	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	DOUSE POINT 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	BRUSH WHARF RANGE.	Inside S. W. angle of Brush Wharf.			F. green	C	12	2
435		500 ft. E. $\frac{3}{4}$ S. from front light.			F. green	C	27	
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. red	C	45	8
439		Back range, in rear of Bellevue farm buildings, 2,244 feet N.E. $\frac{1}{4}$ N. from front light.			F. red	C	125	12
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, Prim Point 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	1893	.....	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	1893	.....		433
White, square, wood..	15	1893	.....		434
White, square, wood..	15	1893	.....		435
Red iron buoy surmounted by bell.	.....	.....	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.
White, square, wood, with brown galvanized iron lantern.	47	1889	.....	Maintained during general navigation and whenever winter steamer is running to Charlottetown.	438
White, square, wood, with brown galvanized iron lantern.	47	1889	.....	Lights visible over a small arc on each side of alignment. 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's 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 Hon. G. W. Howlan's property E. side of N. river.	46 14	5 63 8 20	F. red. ....	C ....	41	7
442		Back range, on old Asylum grounds, 1,275 feet N. from front.	.....	.....	F. red. ....	C ....	77	9
441	ST. PETERS ISLAND.	On S. side of island, Hillsborough Bay.	46 7 20	63 11 35	Occ. white, vis., 30 sec., eclipsed 6 sec.	D, G..	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 ....	60	6
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	WRIGHTS RANGE.	On Wrights farm, $3\frac{3}{4}$ 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.	.....	46 19 10	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, skeleton tower, with slatted face, red iron lantern and red diamond on side facing channel.	50	1890	.....	Alignment to be taken where it intersects Haszard's Point alignment about $\frac{1}{2}$ mile S. of St. Peter's 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
Shown from dormer window of a house. Day beacon of slat-work, 20 ft. high by 12 wide, painted white, shows above ridge of house.	24	1878	.....	To enter Crapaud Harbour from the Strait of Northumberland, vessels should bring the Leards 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. $\frac{1}{4}$ N. until the red light on Palmers Wharf is in alignment with the front light of Leards 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. $\frac{1}{4}$ 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		Railway wharf, Bedeque Bay.	46 23 30	63 47 6	F. red in line of range, white in harbour.	C....	33	10
457	SUMMERSIDE.....	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 EGMOYNT.....	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		500 feet south of breakwater.	46 53 5	64 13 0	F. red and white..	C... .	30	5
464	BIG MIMINEGASH..	Rix's Point, one mile S. $\frac{1}{3}$ W. from front light.	.....	.....	F. white.....	C....	45	.....
466	NORTH POINT.....	On point.....	47 3 46	63 59 10	Rev. white one minute.	C... .	80	14

## NORTH-EAST COAST OR GULF

469	EAST POINT.....	See above, No. 408.	.....	.....	.....	.....	.....	.....
470	ST. PETERS.....	40 feet from outer end of breakwater.	46 26 40	62 44 50	F. white.....	C....	34	6
472		On sand beach, 1458 feet S. by W. from front light.	.....	.....	F. white.....	C....	32	6
473	SAVAGE HARBOUR..	On McEachren's 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 455 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 Buoy, Canada," in white, surmounted by a 10-inch whistle.	.....	1896	Whistle sounded by action of the waves.	.....	461
Lantern on a mast, with white shed at base.	25	1886	.....	Shows red from N.E. round through E. to S. covering Miminegash Reef, and white from S. to S.W. by W. 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. These lights in line lead to the outer end of N. breakwater.	463
Lantern on a mast, with white shed at base.	35	1886	.....		464
White, octagonal, wood, surmounted by a red iron lantern, dwelling near by.	60	1866 changed 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		.....
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
481	NORTH OR GRAND RUSTICO.	W. side of entrance to harbour.	46 27 42	63 17 15	F. white .....	C.....	40	8
482		Front range light, 225 feet from main light.	.....	.....	F. red.....	C.....	22	5
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 shoreline, 6½ 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. ½ 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.
Open, square, frame-work.	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
White, square, wood, with dwelling at- tached.	35	1876 chan- ged. 1884	.....	The alignment leads to black can buoy outside bar in 13 feet water, after passing which vessels must open lights, leaving them on starboard side to clear breakwater on N. side of entrance to harbour.	481
Lantern on mast .....	20	1884	.....	Outer light liable to be moved to suit channel.	482
White, square, wood, open framework be- low, brown.	21	1879	.....	The two lights visible over 110° between Sim's Point and sand hills on E. side of harbour. In range they show the entrance to the harbour.	484
White, square, wood, with dwelling at- tached. 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 build- ing.	25	1889	.....		488
White, square, wood, with dwelling at- tached.	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 frame- work, 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	0 63 52 40	F. white.....	C....	26	10
496		Front range, 200 feet from main light.			F. white.....	C....	16	8
498	SANDY ISLAND.....	S. W. part of island, entrance to Cascumpec.	46 48 22	64 2 20	F. white.....	C....	45	12
499	SAVAGE ISLAND...	Front range on N. E. part of island.	46 47 45	64, 1 50	F. white.....	C....	35	5
500		Back range, 900 feet S. W. by W. $\frac{1}{4}$ W. from front light.			F. white.....	C....	45	5
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.	41	1856 re-built 1876	.....	Coast light .....	498
Lantern on mast, with hut at base.	22	1897	.....	} This range leads to the alignment of the red range, Northport.	499
Lantern on mast, with hut at base.	26	1897	.....		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.

## 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.								
511	JOURIMAIN.....	On east end of island...	46 9 42	63 48 20	Rev. white, 10 seconds.	C ...	72	14
513	SHEDIAC NORTH CHANNEL	On northernmost part of Pt. 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		Front light on E. shore, near S. end of island.	46 15 32	64 31 57	F. white.....	C ...	36	11
516	SHEDIAC ISLAND..	Back light about 619 feet W. by N. $\frac{1}{3}$ N. from front.			F. white ..	C ...	52	12
517	SHEDIAC HARBOUR	On N. W. corner of Point 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. $\frac{2}{3}$ S. from front.			F. white.....	D, 7..	38	6
519	CASSIES POINT ...	On point.....	46 19 24	64 30 40	Rev. white, 30 seconds.	C ...	47	14
522	BUCTOUCHE.....	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	BUCTOUCHE INNER LIGHTS.	Front light, close to shore road on Indian or Church Point.	46 29 35	64 40 30	F. white.....	C ...	23	9
525		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.	On outside of bank, S beach.	46 42 50	64 45 45	F. white.....	C ...	40	12
530		326 feet S. W. by W. $\frac{1}{2}$ W. from front light.			F. red.....	C ...	44	12
533	ESCUMINAC.....	On point.....	47 4 32	64 47 33	F. white.....	D, 3..	66	14

WICK.

LAWRENCE.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, octagonal.....	45	1870 ch'ged 1878	.....	Visible over an arc of 229° 47' from S. 54° 47' E. round by W. to N. 5° W.	511
White, square, wood. Lantern red.	27	1895 ch'ged 1898	.....	To enter keep this alignment until the Shediac Island lights are brought in one.	513
White, square, wood. Lantern red.	39	1895 ch'ged 1898	.....		514
White, square, wood. Lantern red.	37	1869 re- built 1895	.....	Range lights. The alignment should be kept until the Point du Chêne lights are brought in one.	515
White, square, wood. Lantern red.	47	1869 re- built 1895	.....		516
On iron mast, with shed at the base.	29	1860	.....	Alignment gives middle of channel from intersection with Shediac Island range to the wharves.	517
On iron mast, with shed at the base.	37	1860	.....		518
White, square, wood, with dwelling a t- tached.	27	1872	.....	.....	519
White, square, wood..	30	1881	.....	Range lights, to guide into Buc- touche Harbour.	522
White, square, wood..	34	1881	.....		523
White, square, wood, with red roof.	23	1883	.....	Range lights, visible in direction of range, replacing former day beacons.	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.....	50	1864	.....	.....	528
White, square, wood, dwelling attached.	33	1879	.....	Lead through channel over bar to red spar buoy at entrance to river, thence follow shore 1 cable distant, about 8 cables, when buoy channel is reached.	529
White, square, wood, open frame.	43	1879	.....		530
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

## 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.
534	PRESTON BEACH	On S. shore Miranichi 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	SWASHWAY RANGE.	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		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
541	PORTAGE ISLAND.	Near S. point of Island	47 9 45	65 2 38	F. white.....	C....	45	12
542	MIRAMICHI BAY LIGHT-SHIP.	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

MIRAMICHI BAY AND RIVER.

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, lantern red.	29	1869	.....	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	1869	.....		535
White, skeleton, slatted on seaward face, wood.	46	1872 changed 1891	.....	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 $\frac{3}{4}$ fathoms.	536
White, skeleton, slatted on seaward face, wood.	71		.....		537
Lantern on mast, with white shed at base.	40	moved 1881	.....	Nos. 1 and 2, in line, range N.W. $\frac{1}{2}$ 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. $\frac{1}{2}$ N. to the upper buoy of Horse-shoe Shoal.	540
White, square, wood, with dwelling near.	42	1869	.....		541
A schooner rigged ship.	.....	1873	.....		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 trestle-work.	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

## NEW BRUN

## 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.
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		On N. E. side of gully..	47 14 40 65	0 22	F. red.....	C .....		
561	NEGUAC .....	Main light 900 ft. N. by E. from front light.			F. white.....	C .....	32	11
	ESCUMINAC .....	See No. 533 above.						
	PORTAGE ISLAND.....	See No. 541 above.						
564	SOUTH TRACADIE.....	N. side of gully... ..	47 30 05 64	52 10	F. red.....	C .....	26	8
565	NORTH TRACADIE.	Front light.....						
566		Main light on sand flat on N. side of gully.	47 40 10 64	46 0	F. white.....	C .....	37	11
569	POKEMOCHE .....	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
573	INDIAN POINT.....	Near extremity of point, S. side Big Shippegan Gully.	47 43 40 64	40 30	F. red.....	D, p.....	28	4
574		441 feet N. 31° 15' W. from front range.				F. white.....	D, p.....	39

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.
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 seeking 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 inside Neguac gully. Outer light leads to wharf.	558
White, square, wood, lantern red.	33	1892			559
Lantern on mast, with white shed at base.	.....	Re-built 1896		Alignment guides to buoy marking crossing of bar.	560
White, square, wood, lantern on a mast.	30	1873 reb't 1893			561
Red, square, wood....	26	1877			564
.....				Front light carried away by storm and temporarily discontinued.	565
White, square, wood..	33	1875 mov'd 1896			566
White, square, wood, with dwelling attached.	37	1876		Range to guide to can buoy at passage over bar.	569
Lantern on a pole, travelling on a tramway to suit changes in channel.	23	1885			570
Lantern on a mast, with small shed at base.	25	1889		Visible in the line of range. .... 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 until nearing black can buoy inside bar, whence channel is marked by harbour buoys.	573
Lantern on a mast, with small shed at base.	35	1889			574

## 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.
575	BIG SHIPPEGAN.....	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 Shippegan.	47 55	5 64 29 30	F. white.....	D, p.....	45	7
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 1½ 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 Shippegan.	47 54	0 64 35 0	F. white .....	D, p ..	35	6
584	POKESUDIE ....	N.E. point of island..	47 49 10	64 44 40	F. white. ....	D, 7...	41	11
585	CARAQUET .....	On island, Bay of Chaleur.	47 49 30	64 54 10	F. white.....	D, p.....	49	14
586	STONEHAVEN....	At head of pier... ..	47 45 30	65 20 50	F. red.....	D, 7...	88	15
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...	51	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, p.....	38	11
594	HERON ISLAND..	Chaleur Bay .....	48 0	0 66 8 0	F. white.....	C ..	66	15
596	DOUGLAS ISLAND OR DALHOUSIE ISLAND.	On E. end of island....	48 4 25	66 21 30	F. white.....	C.....	30	6
597	DALHOUSIE HARBOUR.	S. side of entrance to harbour.	48 3 45	66 20 50	F. white.....	D, p.....	49	13
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. ¾ E. from wharf light.			F. white .....	C.....	34	9
603	CAMPBELLTON RANGE LIGHTS	Pier beside railway wharf, Restigouche River.	48 0 50	66 39 55	F. red.....	C.....	24	9
604		On Moffat's Wharf....			F. red.....	C.....	24	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..	30	1872 re-mov'd 1880			575
Lantern on a mast, with white shed at base, standing on a crib.	25	1887		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 telegraph 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.	25	1887			582
White, square, wood..	34	1881			584
White, square tower on dwelling.	43	1870			585
White, square, wood..	37	1885			586
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 re-built 1878			590
White, square, wood..	31	1879			592
Mast, with white shed at base.	28	1884			593
White, square, wood..	20	1875		Visible from all points seaward....	594
White, square, wood..	22	1886		Visible easterly and north-westerly.	596
White, square, wood..	33	1870		Seen from all points of approach...	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			Visible in line of range.....
White, square, wood..	22	1879			603
White, square, wood..	22	1879			604

## PROVINCE

## GULF 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.
607	CARLETON .....	On Tracadigash Point.	48 5 15	66 7 0	F. white.....	C....	32	12
609	PASPEBIAC. ....	330 feet N. from S. extremity of Spit.	48 1 2	65 14 20	F. white.....	C....	50	12
611	MACQUEBEAU 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 LIGHTSHIP.	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	F. red .....	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, wood.....	28	1872	.....	.....	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 20 minutes.	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.
631	BELLE ISLE . . .	Summit of extreme S. point of Island.	51 53	0 55 22 10	F. white, visible from about S.E. by S. to W.	D. 1.	470	28
632		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 $\frac{1}{2}$ 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 35	56 50 53	F. white.	D, 2.	152	18
639	GREENLY ISLAND	On S. W. part of Island	51 22 33	57 10 51	Gp. rev. red and white, white, $\frac{1}{2}$ min., red $\frac{1}{2}$ min., white $\frac{1}{2}$ min., eclipse, $1\frac{1}{2}$ min.	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 seconds.	D, 5.	67	9
	BOAR ISLAND . . . . .	E. extremity of Burgeo Islands.	47 36 10	57 35 10	F. red.	D, 6.	208	17

QUEBEC—Continued.

AND LABRADOR.

Colour and any peculiarity of Building.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, circular, stone clapboarded with white dwelling attached.	59	1858	Cotton powder bombs exploded every 20 minutes.	Signals fired out from a point near upper light 400 feet above water, about 500 feet southerly, exploding high in the air. Depot of provisions for shipwrecked mariners.	631
White, square, wood, iron lantern red.	31	1880		In fog, lower light may be visible when high obscured, or <i>vice versa</i> .	632
White, square, wood, 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	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.	637
White, with lantern and dwelling roof red, octagonal, wood, with 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. $\frac{1}{4}$ S. from the lighthouse.	639
White, octagonal, wood, with red iron lantern, white dwelling behind.	58	1871 re-built 1892		Visible from all points seaward	641
White, octagonal, wood, white dwelling and outbuildings, with red roofs, near by.	75	1871 re-built 1885	Steam-horn 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	
Wooden tower, dwelling attached.	.....	1874		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.
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 . . . .	180	36
For Nova Scotia lights see No. 85 <i>cf 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
			(Establishments on this island are under the Nova Scotia Agency.)						
653		FOG-WHISTLE . . . . .	S. side of island, S. E. of Atlantic Cove, about $\frac{1}{2}$ mile from Hunane 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.
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 ..	
Circular, S. E. face striped red and white vertically, brick, with wooden dwelling attached.	40	1856	Steam-whistle sounds 10 seconds in every minute.	Visible between bearings of E.N.E. and W.S.W. A conical beacon stands 150 feet S. of lighthouse. Whistle about 250 feet S. of lighthouse.  (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.	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.
657	BIRD ROCKS....	On summit of Great Bird Rock.	47 50 40	61 8 20	F. white .....	D, 2..	140	18
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 06	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...	¼ 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 North-westernmost 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

GULF OF ST.

673	CAPE GASPÉ.....	See above, No. 624.						
	CAPE ROSIER. ....	On Cape.....	48 51 38	64 11 50	F. white.....	D, 1..	136	17

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 20 minutes.	International Code flags kept here to enable keeper to make known wants.	637
White, square, wood..	42	1874	.....	.....	638
White, hexagonal, wool	54	1871	.....	Visible over an arc of 193° from W. by N. $\frac{1}{2}$ N. round through N. to S. E. $\frac{3}{4}$ E. Marine telegraph and signal and ice report station.	639
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 20 minutes.	The lighthouse is always kept open to the southward of Cormorant 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. 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 20 minutes.	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 N.W. $\frac{1}{2}$ N.	670

LAWRENCE.

White, circular, clap-boarded.	112	1858	Steam-horn sounds blasts of 10 seconds every minute.	If the horn is out of order a whistle will sound similar blasts. Marine telegraph and signal station.	673
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## 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.
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
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 1¼ 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. ¾ N. from front light.			F. white.....	C .....	40	5

QUEBEC—Continued.

LAWRENCE—Concluded.

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, wood.	50	1880	.....	Marine telegraph and signal station.	675
White, with a black vertical stripe, hexagonal, 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 20 minutes.	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.	48	1871	.....	.....	685
White, with two red horizontal bands, circular, clapboarded.	90	1830	Cotton powder bombs exploded every 20 minutes.	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 10 fathoms of water, N.E. from Islet, a little open to N. of Hare Island.	48 7 4	69 30 20	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.....		16	8
713	ST. ALPHONSE.....	On pier head, bottom of Ha Ha Bay.	48 21 1	70 53 0	F. white.....			
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 20 minutes, and also in reply to steamers' signals.	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 20 minutes.	.....	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. A red buoy lies about $\frac{1}{2}$ mile W.S.W. from vessel.	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 aux Faim 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	.....	Alignment leads N.W. by N. $\frac{1}{2}$ N. towards north shore to intersection with Savard's range.	717
Lantern hoisted to top of slatted framework, with shed at base, white, with red roofs.	35	1873	.....		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....	30	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.			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 BUOY.	In 2½ fathoms on middle of Ledge.	47 53 11	69 37 5	Occ. white.....	D. Gas	10	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
White, square, wood, with diamond beacon attached.	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
Iron cylindrical buoy checkered black and white, with "Barrett Ledge" in white, surmounted by a wooden can shaped statwork and a small red lantern.	.....	1886	.....	Light cannot be depended upon.... From the buoy Brandy Pots Light bears W. $\frac{3}{4}$ N. 2 $\frac{1}{4}$ miles, and Rivière du Loup Lights S.S.E. 2 $\frac{1}{4}$ 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 BUOY.	On W. end, in 4 fathoms	47 45 50	69 43 35	Occ. white. . . . .	D. Gas	10	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
754	POINT AUX ORIGNAUX.	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
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

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
Spherical iron buoy painted black with "Pilgrim Shoal" in white, surmounted by a small red lantern.	.....	1886		Light cannot be depended upon. . . . From buoy Long Pilgrim Light bears S. W. by S. $\frac{1}{2}$ 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
White, square, wood. . . .	28	1875	Hand-horn answers signals from vessels.		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	Hand-horn answers signals from vessels.		760
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

## 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.
763	LOWER TRAVERSE LIGHT-SHIP.	N.E. part of St. Roch Shoals.	47 21 53	70 14 51	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 LIGHT-SHIP.	In 4 fms. N. W. edge of St. Roch Shoal.	47 19 58	70 16 16	Two F. white, one on each mast head.	D, p..	25 and 31	6
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	F. pink.....	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.....	Near extremity 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
778	ST. THOMAS DE MONTMAGNY.	At outer end of Governmen Wharf	46 59 26	70 33 15	F. white and red..	D, p..	26	3
779		Back range, 1,971 feet S. ¼ W. from front light.	.....	.....	F. white.....	D, p..	44	3
781	GROSSE ISLE GAS BUOY.	On W. end of Margaret Island Bank in 3½ fathoms.	47 0 25	70 39 9	F. pink.....	D.Gas	10	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.
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
Red, with words "Upper Traverse" in white letters on each side. Two masts with red ball at main mast head.	.....	1871	Bell tolled by hand.....	Should the vessel be out of place, the light on the foremast alone will be exhibited, and the ball will be taken down. The vessel lies nearly 4 miles N.W. by W. from St. Roch Church.	764
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. $\frac{3}{4}$ W. $2\frac{1}{10}$ miles.	767
Grey, circular, stone, and white buildings with red roof, near by.	52	1843	.....	.....	768
White, square, wood, on pier.	32	1878	.....	Rock covers at half flood.....	769
Iron spherical buoy painted in black and red horizontal bands, with "Crane Island Flats" in white, surmounted by a small red lantern.	.....	1886	.....	Light must not be depended on. From it Crane Island light bears S. W. by W. $\frac{1}{2}$ W. 5 miles.	772
Iron pillar buoy painted white, with "Beaujeu bank" in black, surmounted by a bell and 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. $\frac{1}{2}$ W. $2\frac{1}{10}$ miles.	773
White, octagonal, wood.	48	1862 re-built 1885	.....	Light, 26 seconds; dark, 4 seconds.	776
White open framework tower.	26	1883	.....	Red in line of channel, white from all other points of approach. A guide to enter harbour only.	778
White open framework tower.	36	1897	.....		779
Yellow spherical, iron buoy, with "Quarantine" in black, 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

## 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.
785		On slope of cape above Cap Rouge.	47 6 35	70 43 3	F. white.....	C....	148	15
786	MONTÉE DU LAC OR CAP BRULÉ.	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
790	47 0 13			70 49 5	F. white.....	C....	30	10
792	BELLECHASSE.....	E. end of Island.....	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	F. 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 20	F. white.....	D, 7..	40	11
800	(MONTÉE DU LAC. STE. ANNE DE BEAUPRÉ.	See above, 785. Outer end of steam-boat wharf.	47 1 11	70 55 40	F. red.....	D. p..	23	5
801	STE. FAMILLE FRONT RANGE.	On beach near stone mill, south side of channel.	46 57 50	70 58 48	F. white.....	D. p..	50	12
802	STE. 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 53 37	71 2 37	F. white.....	C....	20	9
804	ST. PIERRE BACK RANGE.	539 feet S. 50° W. from front light, in low field.	.....	.....	F. white.....	D. p..	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

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, dwelling near by.	34	1870	.....	Coast light. ....	785
Open framed tower....	24	1875	.....	Range lights. • Lead between Traverse Spit and Brulé Bank.	786
Open framed tower....	34	1875	.....		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, square, wood..	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...	792
White, square, wood..	30	1874	.....	.....	795
White, octagonal, wood, with brown iron lantern.	40	1869	.....	The light kept open of point to westward, clears Maranda Rocks.	797
Lantern on mast, with white shed at base.	20	1888	.....	Visible from all points of approach. Temporarily discontinued.	800
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

## 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.
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 Battery at foot of St. Famille St., 2,900 feet W.S.W. from front light.	.....	.....	Two F. red, electric, 16 feet apart vertically.	Arc light. Incandescent.	112 96	8
815	TREMBSH SHOAL AND BELL-BUOY.	In 7 fathoms off S.E. extremity of shoal.	46 41 10	71 33 20	Occ. white.....	D. gas	14	8
816	ST. ANTOINE.....	S. shore.....	46 39 40	71 36 10	F. white..... F. white.....	C..... D, 7	96 106	10
819	STE. CROIX GAS AND BELL-BUOY.	In 4 fathoms off W. extremity of Paget Bank or Ecureuil Shoal.	46 38 36	71 44 0	Occ. white.....	D. gas	14	8
820	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, $\frac{1}{2}$ 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.....	Two range lights being built.	46 39 13	71 53 8	F. white.....	C.....	130	12
826	BOULARD.....							
827	THE 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

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 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 Commissioner's Wharf.	811
Lamps hung from arms on posts.	.....	1891	.....		812
Red iron buoy, with "Trembles Shoal" in white, surmounted by lantern and bell.	.....	1890 buoy 1892	Bell rung by motion of buoy	From the buoy, Pointe aux Trembles Church bears N.W., and St. Antoine Church S.W. $\frac{1}{2}$ W.	815
White, square, wood.	27	1858	.....	Since 1889 an anchor light hoisted on a pole 10 feet above permanent light to clear trees down stream.	816
Red iron buoy, with "St. Croix" in white, surmounted by lantern and bell.	.....	1890 buoy 1892	Bell rung by motion of buoy	From the buoy, Ecureuil Church bears N.E. $\frac{1}{4}$ N., and Ste. Croix Church S.W. by S.	819
White, square, wood.	41	1842	.....	A small light to assist in keeping in channel for some distance up and down the river.	820
White, stone, lantern on roof of dwelling.	30	1842	.....	Lead up Richelieu Channel to the light on Richelieu Island.	823
White, stone.....	26	1842	.....		824
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	.....	New range building, 1899 .....	828
Octagonal, stone. ....	35	1816	.....	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

## 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.
835	STE. EMÉLIE.....	On top of bank on S. shore, a rifle above village.	46 33 40	72 1 0	F. white.....	C.....	114	16
836		3,420 feet S. 70° 30' E. from front light.			F. white.....	C.....	131	16
833	CAPE CHARLES.....	On extreme of Cape....	46 33 39	72 4 30	F. white.....	C.....	92	6
839		80 yards S. 67° E. from front light.			F. white.....	D, 7..	120	6
841	GRONDINES.....	On flats, N. shore, about 1½ 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
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 ⅓ 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. ½ 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, 2½ miles below Cape Madeleine church.	46 23 46	72 27 18	F. white.....	C.....	41	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

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, with red vertical stripe on side facing alignment.	30	built 1880	.....	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.	835
do do ..	30	lit 1898	.....		836
White, polygonal, wood	12	1856	.....	Lead between Cap à la Roche and Cape Charles. Front light also answers as a steering point through Horseback Bar.	838
Lantern on a mast....	40	1856 changed 1890	.....		839
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
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
Temporarily on a pole.		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	.....		857
White, octagonal, wood	40	1843	.....	To clear Provencher Shoal, leading through N. channel.	858

## 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.
864	PORT ST. FRANCIS	On a pier near wharf...	46 16 17	72 37 16	F. white.....	C....	14	4
865		On pier, $\text{N.E.}$ by N. $\frac{1}{4}$ N., 550 feet from front light.			F. white.....	C....	31	4
868	POINT DU LAC..	N. shore.....	46 16 50	72 40 22	F. white.....	C....	71	12
870	EAST LIGHTSHIP. (No. 3).	Off Point du Lac, 9,430 feet S. $70\frac{3}{4}$ ° W. from lighthouse.	46 15 55	72 42 15	F. white.....	D. 7..	22	9
871	CENTRE LIGHTSHIP. (No. 2).	Opposite and $2\frac{1}{4}$ 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	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.....	D. p..	12	4
880		Inner light, at abrupt turn in channel, about $\frac{1}{2}$ mile S. S. easterly from outer one.			F. red.....	D. p..	12	4
883	ISLE AUX RAISINS.	Front light on pier in marsh on N. edge of Island.	46 6 14	72 57 50	F. white.....	C....	30	6
884		Back light on W. edge of Island, 1,998 feet S.S.W. $\frac{1}{4}$ 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....	23	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. $3^{\circ}$ W. from front light.			F. red, gas.....	C....	39	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, 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, octagonal, wood	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
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. ¼ 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.	879
Lantern on a mast, standing in the water.	13	1883	.....	To be removed in autumn, and replaced when water becomes low in summer.	880
				Movable, to suit shifting sand banks.	
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.	33	1867	.....		885
White, octagonal, wood	25	1871	.....		888
Brown, open frame....	29	1863 rebuilt, 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		.....		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. John's.	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, ¼ mile below Isle aux Noix.	45 10 40	73 14 10	F. white.....	C.....	8	2
914		On shore, 345 feet N.W. ¼ 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 ¼ mile above Ash Island.	45 2 15	73 19 20	F. white.....	C.....	12	4
	ROUSES POINT.....	U. S. Lights.						

ST. LAWRENCE

	SOREL.....	See above, 889.						
931	LAVALTRIE.....	Lantern on small pier on shore line, S.E. side of Island.	45 53 15	73 15 50	F. white.....	C.....	17	8
932		On small pier 960 feet S.W. ¼ S. from front light.			F. white.....	C.....	33	10
935	CONTRECEUR TRAVERSE.....	2½ miles above Contre-cœur; 2,800 feet back from shore.	45 49 48	73 17 0	F. white.....	C.....	53	11
936		1,500 feet S.W. by S. ½ S. from front light.			F. white.....	C.....	67	13

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. $\frac{1}{4}$ 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	re- built 1875	.....	These two lights form a range.	920
White, octagonal, wood, on black pier.	10	1875 re- built 1884	.....		921

RIVER—Continued.

White, with red vertical stripe on sides facing up and down stream.	13	1831	.....	Range lights leading through Flat Islands Channel. Buildings removed in winter, and lanterns on poles used in spring, while piers are submerged.	931
Red, square, open steel frame with red lantern, and white slat-work target with vertical red stripe.	32	1831 re- built 1881	.....		932
White, square, wood..	13	1857	.....	To lead into Lavaltrie Channel and Isle Bouchard, and indicate the new channel. To be kept in line till Lavaltrie Lights are brought to bear.	935
White, square, wood..	41	1857	.....		936

## 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.
939	ISLE AUX PRUNES...	On S. shore of Island, opposite Verchères.	45 47 48	73 20 25	F. white.....	C...	40	10
942	RÉPENTIGNY.....	$\frac{3}{4}$ mile below Répenti- gny village.			F. white.....	C...	14	4
943		510 feet N. 22° E. from front one.	45 45 2	73 26 17	F. white.....	C...	30	4
944	ISLE À LA BAGUE...	On a pier on the Islet.	45 44 14	73 26 15	F. white.....	C...	24	4
947	ISLE STE. THÉ- RÈSE, LOWER RANGE.	Front light, near shore on N.E. side of Is- land.	45 41 22	73 27 43	F. white.....	C...	22	10
948		Back range, 600 feet S. 50° W. from front.			F. white.....	C...	48	12
949		On cribwork block, be- low river bank, on S. shore of island.	45 40 37	73 27 40	F. white.....	C...	57	6
950	ISLE STE. THÉ- RÈSE, UPPER RANGE.	About 5,000 feet S. W. $\frac{3}{4}$ S. from back light, on Ile aux Vaches.			F. white.....	C...	29	6
953	POINTE AUX TREM- BLES.	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...	53	4

Head of ocean navigation.

QUEBEC—Continued.

RIVER—Concluded.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Red, square, open steel frame with red lantern, and white slat-work target ; on a small pier.	31	1866 re-built 1882	.....	To clear the island. Lantern on pole used in spring while pier submerged.	939
White, wooden.....	14	1843	.....	To lead through Isle à la Bague Channel, and to avoid Pouillier on N. and shoal on S.	942
White, wooden.....	26	1843	.....		943
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.	944
White, wooden lantern with red roof ; on open post foundation.	16	1855	.....	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.	947
White, with red roof, square, wood.	42	1855 re-built 1889	.....		948
Upper face red with white vertical stripe, remainder white, square, wood, on pier.	42	1879 mov'd 1884	.....	In range lead through dredged channel off Pointe aux Trembles.	949
White, with red vertical stripe on upper face, hexagonal, wood, on pier.	23	1879 mov'd 1884	.....		950
White, with red stripe, octagonal wood.	23	1846	.....	To lead through the channel between Pointe aux Trembles and Varennes up to Long Point.	953
White with red vertical stripe, octagonal with square base, wood.	56	1846	.....	N.B.—It is intended ultimately to change some of the lights between this and St Emelie (No. 835) to suit the new 27½-foot dredged channel.	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, p.	19	9
962	BLACK POINT.....	On W. side of Lake, 3 miles S.W. from Witch Shoal.	.....	.....	F. white.....	C.....	24	8
963	WADLEIGHS POINT..	On W. side of Lake, 4 miles S.W. $\frac{1}{2}$ S. from Black Point.	.....	.....	F. white.....	C.....	30	8
964	GEORGEVILLE.....	At Wharf, E. side of Lake, 3 miles S.E. by S. from Wadleigh's Point.	.....	.....	F. white.....	C.....	20	8
965	MOLSONS ISLAND...	S.W. point of Island, E. side of Lake, about 7 miles southwardly from Wadleigh's.	.....	.....	F. white.....	C.....	28	8
966	LEAD MINES.....	West side of Lake, 4 miles S. by W. from Molson's Island.	.....	.....	F. white.....	C.....	20	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.	21	1878 building 1881	.....	Visible from all points of approach, except from the westward.	961
White, square, wood..	22	1878	.....	.....	962
White, square, wood..	22	1878	.....	.....	963
White, square, wood..	22	..	.....	.....	96
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. ....	.....	.....
973		On upper end of railway wharf.	.....	.....	F. red.....	D. p. ....	.....	.....
976	LIGHT-SHIP No. 1	$\frac{1}{2}$ mile above Lachine.	45 25 50	73 42 00	F. red.....	D, 7..	18	6
977	LIGHT-SHIP No. 2	$2\frac{3}{4}$ miles above Lachine.	45 24 58	73 44 00	F. white.....	D, 7..	20	6
978	CHATEAUGUAY LIGHT-SHIP.	Light-ship 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. 1,011 below.						

## RIVER

	LIGHT-SHIP No. 1....	See No. 976 above.						
985	DORVAL .....	On a pier N. of channel, between Point Claire Light and Light-ship 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 St. Anne Lock, N. side of river.	45 24 8	73 54 41	F. white. ....	C....	28	10
988	ISLE PERROT.....	On small pier on shoreline, S. side of channel below St. 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 $\frac{3}{4}$ mile below the lock.	45 23 45	73 56 2	F. white.....	C....	24	10

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..	17	1849	Hand horn answers signals from vessels.		971
Lantern on a mast.....		1889			972
Lantern on a mast.....		1889			973
Red hull, with white, circular iron tower, lantern roof black.		1849	Hand horn answers signals from vessels.		976
Red hull, with circular iron tower, lantern roof red.			Hand horn answers signals from vessels.		977
Red hull, with white, circular iron tower, lantern roof red.		1849	Hand horn answers signals from vessels.		978
White, square, wood..	27	1850	} In one lead to Chateauguay Light-ship.		979
White, square, wood..	27	1850			980

OTTAWA.

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 re-built 1897			986
White, square, wood..	29	1874 re-built 1878			987
White enclosed tower with red roof, on open framework base.	18	1878 re-built 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

## ONTARIO

## RIVER

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.
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, 1½ 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		N. side of river, near wharf.	45 31 0	74 9 25	F. white up stream	D, 7..	15	6
998	STE. PLACIDÉ.....	930 feet N.E. by E. ¼ E. from front light.			F. white	C	62	6
999		340 feet N.W. of front tower.			F. white		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, p..	30	10
1004		Front range, on N. shore of Bay, ¼ miles E. of Papineauville wharf.	45 38 30	74 59 0	F. white	C	20	2
1005	PAPINEAUVILLE....	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
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	C	36	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, Ottawa Co., P.Q.	45 25 0	75 53 0	F. white	D, p..	52	10
1018		At inner end of wharf, Carleton Co., about 12 miles above Aylmer	45 27 40	76 0 30	F. white	D, p..	26	10
1019	BASKINS WHARF.	About ¼ mile easterly from front light.			F. white	D, p..	39	11
1020	BUCKOMS POINT.	On crib off Point, Carleton Co., 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	
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

DIVISION—Continued.

OTTAWA—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.	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	.....	Range lights, show up stream. A beam of white light leads to front tower through down stream channel N.W. (1) and (3) in one marks lower channel.	997
White, square, wood..	38	1874	.....		998
Lantern on mast of day beacon.	.....	1898	.....		999
White, square, wood..	43	1871	.....	.....	100
Mast, with day beacon affixed, and shed at base, all white.	29	r'built 1897 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
White, square, wood..	17	1860	.....	.....	1009
White, square, wood..	13	1872	.....	.....	1015
White, square, wood..	34	1883 ch'ged 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

## 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.
1025	COULONGE LAKE....	On point on N. side, $\frac{1}{2}$ 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's Island, opposite Lot 18, E. Range of Allumette Island.	45 48 15	76 54 0	F. white.....	D, p..	24	9
1029	MORRISONS OR HAWLEYS 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..	.....	.....
1032	FORT WILLIAM.....	On outer end of wharf.	45 54 45	77 15 45	F. white.....	D, p..	.....	.....
1033	DEEP RIVER ISLET..	At mouth of Deep River	45 59 0	77 16 30	F. white.....	C .....	8	.....
1035	MCQUESTIONS POINT	On S. shore of Deep River, Renfrew, N.R., 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 $2\frac{1}{2}$ 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	.....

## RIVER ST.

	BEAUHARNOIS.....	See No. 979 above.							
1041	LAKE ST. FRANCIS.	1st range light, S. side of channel, about $1\frac{1}{2}$ miles from guardlock, at upper entrance to Beauharnois Canal.	45 14 47	74 8 50	F. white .....	C ....	13	3	
1042		KNIGHT POINT	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	
1042	COTEAU LANDING	On Government Pier...	45 14 40	74 13 15	F. red .....	C ...	29	10	

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.
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.	.....	1887	.....	.....	1031
Lantern on mast	.....	1887	.....	.....	1032
White, square, wood..	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

LAWRENCE.

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 erec'd 1877	.....		Visible from E.N.E. $\frac{1}{2}$ E. by southward to W. $\frac{1}{2}$ N.

## 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.
1048	MCKIES 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. $\frac{1}{2}$ 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, 7..	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, $1\frac{1}{2}$ 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	DICKINSONS LANDING.	S. side of west entrance to Cornwall Canal.	45 59 32	74 54 33	F. white.....	D, p..	21	3
1060	WINDMILL POINT....	About $1\frac{1}{2}$ miles below Prescott.	44 43 15	75 29 18	F. white.....	C....	92	15
1062	HILLCREST GAS BUOY	In 16 feet water, south-east end of rock.	44 33 0	75 43 42	F. white, with white flashes every 10 seconds.	.....	.....	.....
1064	COLE SHOAL.....	On pier, 5 miles W. of Brockville, $\frac{3}{4}$ mile from N. shore.	45 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.....	C....	40	7
1070	GANANOQUE NARROWS.	N.E. end of Little Stave 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, $\frac{1}{4}$ mile W. of Gananoque.	44 18 40	76 11 9	F. white.....	C....	28	.....

ONTARIO—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..	30	1847 re-built 1877	.....	Midway between Coteau Landing and Cherry Island.	1048
White, square, wood, red iron lantern, brown steel pier.	31	1891	.....	Replaces Port Lewis light .....	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 1886	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
Iron buoy painted red.	.....	.....	.....	United States Buoy. The best channel is south-east of buoy.	1062
White, square, wood..	31	1856	.....	.....	1064
White square, wood..	37	1856	.....	.....	1066
White, square, wood..	26	1856	.....	.....	1069
White, square, wood..	37	1856	.....	.....	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. 3/4 E. from the light, marks the S. edge of the channel.	1071
White, square, wood, on a pier in river.	26	1856	.....	.....	1072

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.
1073	RED HORSE ROCK...	S.E. side of channel, 1 mile above Spectacle Shoal.	44 18	876 11 32	F. white.....	C....	23	9
1075	BURNT ISLAND .....	S.E. part of Island, N. side of channel, ¼ 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.....		6
1079	BROWNS OR KNAPPS POINT.	Wolfe Island .....	44 13 57	76 24 3	F. white.....	C....	23	10

LAKE

1032	BARRIERFIELD COMMON.	370 ft. E. from end of bridge to Kingston.	44 14	476 23 24	F. white.....	C....	48	12
1033		1500 ft. N.E. N'ly from front light.			F. white.....	C....	75	12
1034	KINGSTON .....	City Hall Clock.....	44 13 50	76 28 53	F. white.....	Gas .....		9
1086	SNAKE ISLAND.....	On pier on bar N. side of channel, 5 miles W. of Kingston.	44 11 17	76 32 16	F. red.....	C...	35	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	576 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
1096	BAY OF QUINTE AND MURRAY CANAL. CENTRE BROTHER ISLAND	( SNAKE ISLAND. See above No. 1086.						
1098		POINT PLEASANT OR INDIAN POINT.	Entrance to Bay of Quinté.	44 6 36	76 50 37	F. white....	D, 7..	52
1100	DESERONTO...	On the railway wharf..	44 11 27	77 2 55	F. white.....	D, 7..	44	11
1101	TELEGRAPH ISLAND.	Bay of Quinté .....	44 9 46	77 7 18	F. white.....	C....	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

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.
White, square, wood, on a pier at head of Buck's Island.	26	1856			1073
White, square, wood..	26	1856			1075
White, square, wood..		1861			1078
White, square, wood..	20	1874	Hand horn answers signals from vessels.		1079

ONTARIO.

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				1084
Square, stone, dwelling attached.	35	1858			1086
White, circular, stone..	40	1833 Fog-horn 1894	Steam fog-horn, gives blasts of 8 seconds, with intervals of 22 seconds.		1089
White.....	41	1871	Hand-horn answers signals from vessels.		1090
White.....	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 Nananee.	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, ..	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. red.....	D, p..	19	4
1109		Over centre of swing pier Carrying Place highway bridge, 4,725 feet from No. 892.	.....	.....	F. red and white..	D, p..	35	
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		MURRAY CANAL. Over centre pier of Smithfield bridge, 6,600 feet W. from Railway bridge.	.....	.....	F. red and white..	D, p..	35	
1112		Over centre of swing pier of Lovatt's 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		30 feet from end of N. pier at W. entrance.	44 1 58	77 40 35	F. red.....	D, p..	14	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.
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	1894		Vessels upon leaving the swing of Belleville bridge, bound up, steer W. by S. $\frac{1}{2}$ 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, also steer N.E. $\frac{1}{2}$ 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, or on the port hand, and after passing the most easterly black buoy on Potters Point Shoal shape their course directly for the swing of Belleville bridge.	1106
Brown, square, pyramidal, open frame.	12	1891			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
Brown, square, pyramidal, open frame.	12	1891			

## 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'Isle 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. white.....	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.....	C....	22	4
	PRESQU'ILE.....	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 seconds.	35 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	WELLERS 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'ILE.....	E. point of Peninsula..	43 59 5	77 40 30	F. white.....	D, 7..	67	13
		For Murray Canal lights going east read upwards from No. 1113.						
1130	COBOURG.....	On east pier.....	43 57 10	78 8 35	F. white.....	Gas..	20	8
1131		On east pier head, S. by W. $\frac{1}{2}$ W. 409 ft. outside of corporation light.	.....	.....	F. white.....	D, p..	.....	.....
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.....	.....	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 square 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	Hand horn answers signals from vessels.	.....	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....	19	1886	.....	.....	1131
Lantern on a mast....	20	1883 mov'd 1887	.....	Visible from all points seaward ...	1132
Octagonal, stone.....	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.....			4
1139	OSHAWA.....	Pier head.....	43 52 0	78 47 0	F. white.....			5
1140	WHITBY.....	W. pier.....	43 50 45	78 56 0	F. white.....		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 from front light.			F. red.....	D, 7..	18	
1147	TORONTO BELL BUOY	In 5 fathoms off water-works crib.						
1148	GIBALTAR POINT...	S.W. side of Point, $1\frac{1}{4}$ mile S. of Toronto.	43 37 0	79 22 55	Rev. white, 45 seconds.	C.....	66	18
1149	TORONTO.....	Front range 37 ft. from W. end of Queen's Wharf.	43 37 55	79 24 45	F. white.....	D, p..	23	9
1150		Back range on extension shoreward of Wharf, 200 ft. N.E. by N. $\frac{1}{2}$ N. from front one.			F. red.....	D, p..	37	
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, 1,370 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.						

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.	28	1847 im-prov'd 1890		Maintained by the Newcastle Har-bour Co.	1137
On a stone house				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	1898		Visible over an arc of 180° from N. N. E. around to S. S. W. Lights in one show the line of the pier.	1144
Gray, iron, column on hexagonal shed.	11	1895			1145
Red iron buoy sur-mounded by open frame holding bell.		1882	Bell rung by motion of waves.	Maintained by Toronto Corporation S.S.W. $\frac{1}{4}$ W. 3,200 feet from Gibraltar Point lighthouse.	1147
White, hexagonal, stone. Keeper's dwelling near. Fog-whistle 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 clear of the point of bar running S. of and parallel to wharf. Channel about 300 feet wide with 13 feet water.	115
White, square, wood.	36	1863 build-ing 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, wood.	30	1845			1156
				Pole lights to be established.	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 breakwater.	43 12	879 15 50	F. red.....	C.....	50	1
1159		Near outer end of east pier, and 1,500 feet N $\frac{1}{4}$ E. from main light.			F. white .....	C.....	42	11
1160	NIAGARA BELL-BUOY	In 20 feet off W. side of mouth of R.	43 17 40	79 5 30				

## LAKE

1162	FOX ISLAND.....		44 18	079 27 15	F. white .....	C.....	46	12
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## MUSKOKA

1165	GRAVENHURST NARROWS.	On S.E. point of Denison's Island, Lake Muskoka.	44 58	20 79 22 25	F. white.....	D, p..	28	10
1167	ROSSEAU .....	On Ditchburn's 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, W. pier head.	42 52	25 79 15 7	F. white.....	C.....	70	14
1171		E. side of entrance, on crib, 2,030 feet N. by E. $\frac{1}{2}$ E. from main light.			F. red.....	C.....	35	8

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.
	52	1852 re-built 1898	Bell rung by hand answers signals from vessels.	Main tower burned. Temporary light until completion of new tower. Shows from E. to W. by S. Entrance to Welland Canal from Lake Ontario.	1158
White, square, wood.	38	1879		One lamp shows N. $\frac{1}{2}$ E., one N.W., and one S.W. or up the harbour. N.B.—There are ranges for ascertaining compass errors at this port. Particulars can be obtained at Canal Office.	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. $2\frac{1}{4}$ miles; Fort Massassauga S. by E.; Four Mile Point S.W. $\frac{1}{4}$ S. A course of $2\frac{1}{4}$ 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 land.	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 alignment gives deepest water entering canal, clear of Sugar Loaf Reef. Main light must be passed on port, back one on starboard side. Main light visible from all points seaward; back one in line of range and into harbour.	1170
White, square, wood, on pier 12 feet high.	27	1878 moved 1887		A vertically striped red and white beacon surmounted by a globe, stands on outermost crib of east pier.	117

## 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....	64	10
1174	PORT MAITLAND...	W. pier.....	42 51	8 79 34 48	F. white.....	C...	51	10
1176	PORT DOVER.....	110 feet from outer end of W. pier. 1,700 feet N. E. from front light.	42 46 52	80 12 10	F. white.....	C....	20	8
1177					F. red.....	C...	45	7
1179	LONG POINT OR NORTH FORELAND.	E. extremity.....	42 33	0 80 3 20	Rev. white 1 min..	C...	65	13
1181	WEST END OF LONG POINT.	On S. shore of inner bay.	42 34 52	80 23 50	Rev. red 1 minute.	C....	52	12
1182	PORT BURWELL OR BIG OTTER CREEK.	333 yards in shore.....	42 39 00	80 50 00	F. white.....	C....	96	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. 780 feet N. by E. ½ E. from front light.			F. white.....	C....	34	11
1187			42 15 32	81 54 18	Alt. red and white 1½ minutes.	C....	70	14
1189	SOUTH EAST SHOAL GAS BUOY.	In 5 fms. off S. extremity of shoal.	41 49 35	82 27 28	F. white.....	D, gas	9	4
1190	PELEE SPIT..... (THE DUMMY.)	On caisson, 1¼ miles S. from extreme end of Pelee Point.	41 52 18	82 30 26	Rev. white 1½ min.	C....	76	15
1191	MIDDLEGROUND 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's Island.	41 41	0 82 40 49	F. red.....	D....	70	12
1197	LEAMINGTON.....	On shore near pier.....	42 1 50	82 35 38	F. white.....	C....	48	12

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..	60	1848	Hand-horn answers signals from vessels.		1172
White, open frame, wood.	41	1846 re-built 1875		Grand River entrance.	1174
White, square, wood..	20	1846			1176
Skeleton steel towers surmounted by enclosed wooden lantern, the whole painted red.	45	1897		The two lights in one show the harbour entrance and lead up to the pier in the best water.	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. When life-boat is required, light will be obscured towards Port Rowan.	1181
Octagonal, wood	46	1840			1182
White, square, wood..	35	1844 reb'lt 1882		Visible from all points seaward.	1183
White square, open framework.	30	1876 mov'd 1891		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.	49	1876 mov'd 1891			1187
Red iron conical buoy, with "South East Shoal" in white.		1896		Light must not be depended on.	1189
White, octagonal, wood, on steel faced pier.	61	1861	Steam-horn sounds blasts of 7 seconds with intervals of 45 seconds.	Fog-horn, established 1889, on S. E. face of octagonal pier, 20 feet above the lake.	1190
Black iron can buoy, with "Middle Ground" in white.		1896		Light must not be depended on.	1191
White, circular, stone.	40	1833	Hand fog-horn answers signals from vessels.	W. by S. clears Pelee Shoal.	1192
White, square, wood..	49	1872	Hand-horn answers signals from vessels.		1195
White, square, wood..	37	1880			1197

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.
1198		(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	KINGSVILLE . . . . .	(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 south-eastern edge of reef.	41 56 02	82 53 33	F. white . . . . .	D, 3..	72	14

RIVER

	RIVER DETROIT.....	U. S. light.						
1203	BAR POINT LIGHT-SHIP.	About 600 feet to westward of a line drawn from Bois Blanc (Canadian) Lighthouse to Detroit River (Bar Point) Lighthouse.	42 1 17	83 8 30	{ One F. red . . . . . and One F. white . . . . . (7 ft. apart vertically.)	{ D, p. . . . . D, p. . . . .	{ 27 20	{ 7 9
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		Front light 1,696 feet S. 53° 31' E. from Bois Blanc Island light.	42 5 7	83 6 23	F. red . . . . .			
1206	ELLIOTT POINT RANGE.	Rear light 300 feet S. 4° 10' E. from front one.			F. red . . . . .			
1207		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	AMHERSTBURG RANGE.	Back range, 475 feet N. 16° 30' E. from front.			F. red . . . . .	C . . . . .	80	8
1211		Front light 300 feet from extreme N. point.	42 6 17	83 6 45	F. white . . . . .	C . . . . .	70	
1212	HEAD OF BOIS BLANC ISLAND RANGE.	Back light, 150 yards S. by W. ½ W. from front light.			F. red . . . . .	C . . . . .	90	

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.
Lantern on a pole. ....		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.

Wooden barge, hull gray, bulwarks white with "Bar Point Light-ship" in black. Lanterns hoisted in a frame.		1839		From ship Bois Blanc Light bears N. by E. $\frac{1}{4}$ E. 18,200 feet, and Bar Point Light S. $\frac{3}{4}$ W., 13,800 feet. Maintained by American vessel owners. Lights visible all around horizon.	1203
White, with iron lantern, red, 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.		1898		Maintained by the Lake Carriers' Association. Range shows best water between Bois Blanc I. and Amherstburg.	1205 1206
White, open frame, square, wood, side facing channel slatted.	50	1839		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 1208
Red, open frame, square wood, side facing channel slatted.	80	1839			
White, iron tripod, with oval target at top.	70	1875 ch'gd 1892		Range to lead to foot of Lime Kilm Crossing Channel.	1211
Red, iron tripod, with oval target at top.	90	1875 ch'gd 1892			1212

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.
1213		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	LIME KILN CROSSING RANGE.	Back light on a pier 890 feet S. $\frac{1}{10}$ E. from front light.			F. red.....	C ..	51	2
	LIME KILN CROSSING SOUTH LIGHT VESSEL.	Maintained by the U. S. Government.						
	LIME KILN 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 Lime Kiln 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		Front light on lower end of railway transfer slip.	42 7 30	83 6 25	F. red .....	C ....	35	2
1220	TEXAS DOCK RANGE	Back light, 375 feet N. $\frac{1}{4}$ W. from front, on bank above Texas Dock.			F. white.....	C ..	60	2
	BALLARD REEF LIGHT VESSEL.	U. S. Light.						

LAKE

1227		Mouth of river, S. shore	42 19 0	82 26 50	F. white .....	D. 7..	55	12
1228	THAMES RIVER...	Range light, 300 feet N. W. $\frac{1}{2}$ N. from main one.			F. white.....	C ....	22	6

RIVER

1233		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	CORONNA RANGE.	On W. side of Beresford street, 568 feet S. 13° E. from front light.			F. white.....	C ...	67	4

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 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 Lime Kiln 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.

St. CLAIR.

White, circular, stone.	59	1837	.....	These two lights, in one, lead over bar.	1227
Red, open frame, square wood.	23	1845	.....		1228

St. CLAIR.

White, skeleton framed wooden tower, with enclosed top and side fronting the range, slatted.	40	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's Creek on the E. side.	1233.
White, square, wooden.	42	1890 Re-built 1892	.....		1234

## PROVINCE OF

## LAKE HURON, GEORGIAN

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.
1242		Main light on high Bank, S. of entrance to harbour.	43 44 33	81 41 20	F. white.....	C.....	150	18
1243	GODERICH.....	Front range light, 11 feet from N. edge of breakwater and 117 feet from its other extremity.			F. red.....	C.....	45	5
1244		Back light, on N. pier, 1,509 feet W. by N. from front one.			F. green.....	C.....	34	5
1246	POINT CLARK.....	About 20 miles N. from Goderich.	44 4 20	81 43 5	Rev. white, 30 seconds.	D, 2..	87	15
1248		On N. pier, 1,185 feet W. by N. $\frac{3}{4}$ N. from main light.			F. red.....	C.....	37	8
1249	KINCARDINE.....	Main light in the town on hill side.	44 10 30	81 37 50	Alt. white and red, 20 seconds.	C.....	76	14
1251	PORT ELGIN. { SOUTH RANGE. EAST RANGE..	On shore 1,500 feet from S. end of Govt. wharf	44 26 15	81 23 30	F. white.....	D, p..	16	4
1252		Back light 70 feet E. S.E. from front one.			F. red.....	D, p..	20	4
1253		On N. E. extremity of Govt. wharf.			F. white.....	D, 7..	23	9
1254		On shore E. side of harbour 680 feet N. E. from front light.			F. red.....	D, p..	25	4
1256	CHANTRY ISLAND.....	About 2½ miles W. from Saugeen.	44 29 15	81 23 20	F. white.....	D, 2..	86	15
1257		On E. end of W. breakwater N.E. by E. 933 yards from Chantry Island Light.	44 30 5	81 22 50	F. red to N., white in harbour.	C.....	29	7
1258	SOUTHAMPTON HARBOUR.	Back light on shore S. of landing pier 2,100 yds. S. $\frac{3}{4}$ E. from the front one.			F. white.....	C.....	34	10
1259	SAUGEEN.....	On breakwater, on N. side of mouth of river	44 30 12	81 21 45	F. white.....	D, 7..	30	10
1260	PINE TREE RANGE. {				F. white.....	C.....		
1261					F. white.....	C.....		

ONTARIO—Continued.

BAY AND NORTH CHANNEL.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, square, stone, with dwelling attached. Water works building of red brick, with wooden roof and high brick chimney, on lake side, partially hidden from lake by old storehouse.	20	1847 Fog-alarm 1889	Steam-whistle, gives blasts of 10 seconds, with intervals of 50 seconds.	8-inch steam fog-whistle, on town water works building, on beach, 1,200 feet S.E. by E. from outer end of N. breakwater, 30 feet above water, and maintained by Corporation.	1242
White, square, open frame.	33	.....	.....	To enter harbour the range lights should be kept in one E. by S. until nearly up to front light, which should be left on port hand in passing.	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.	1248
Fawn colour, octagonal wood, dwelling attached, on high stone foundation.	63	1881	.....	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.	1249
Lantern on a mast, with white shed at base.	14	1895	.....	To enter bring south range lights into one and stand in until the east 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	Hand-horn answers signals from vessels.	.....	1256
Front tower, white, square, wood.	25	1877	.....	Alignment leads to opening in break-water at N. end of harbour. Back light must be opened to eastward of front to clear shoal running out from N. end of Chantry Island.	1257
White, square, wood..	28	1877	.....	Depth in channel about 14 feet, insufficient to make navigation safe in stormy weather.	1258
Lantern on mast, with brown shed at base, standing on crib.	20	1883	.....	To guide fishing boats into Saugueen River.	1259
Lantern on mast.....	.....	.....	.....	Not under Marine Department.	1260
Lantern on mast.....	.....	.....	.....	Local knowledge is necessary to use these lights.	1261

## 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.
1262	LYAL ISLAND.....	On W. side of Island..	44 56 40	81 23 55	Rev. white, 15 seconds.	C....	51	12
1265	ISLE OF COVES. For Georgian Bay	N. point of Cove Island, entrance to Georgian Bay. lights, see No. 1277.	45 19 40	81 44 9	Fl. white, bright, 10 seconds; eclipsed 15 seconds.	D, 2..	90	15
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
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... For North Channel For St. Mary River Isle of Coves.—See	On S.W. point of W. end of Manitoulin Island. lights see No. 1370. lights see No. 1381. above No. 1265.	45 53 10	83 12 10	F. white.....	C....	46	13
1275	TOBERMORY.....	Water's edge, W. side of entrance.	45 15 35	81 40 25	F. red.....	D, 7..	40	8
1276	FLOWER POT.....	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 Colpoy's Bay.	44 45 0	81 8 10	F. red.....	D, p..	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

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, dwelling attached.	57	1885	.....	Coast light and guide to Stokes Bay and small boat harbour close by.	1262
White, circular, stone.	85	1859	Steam-horn gives blasts of 10 seconds, with intervals of 110 seconds.	Fog-horn located westward 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. $\frac{1}{4}$ N. to clear the south end of the village wharf, behind which there is good shelter.	1266
White, square, wood..	40	1898	.....		
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 Missisagi Straits for either entrance.	1272
White, hexagonal, wood red iron lantern.	43	1885	.....	.....	1275
White, square, wood, red lantern rising from red roof of dwelling.	.....	1897	Bell gives two strokes in quick succession every minute.	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. 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.	.....	.....	.....	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.	.....	1891	.....	.....	1281
White, circular, stone.	61	1859	Hand-horn answers signals from vessels.	.....	1282
White, square, wood..	27	.....	Hand-horn answers signals from vessels.	.....	1284

## 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.
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
1288	MEAFORD .....	On outer end of pier...	44 36 40	80 34 30	F. white.....	C .....	42	13
1289	THORNBURY .....	On outer end of W. breakwater pier.	44 34 0	80 26 5	F. white.....	D, 7..	32	7
1291	NOTTAWASAGA ISLAND.	2 miles N.W. of Collingwood Harbour.	44 32 22	80 15 6	Rev. white, every $\frac{1}{2}$ minute.	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
1301	GIN ISLAND .....	On W. side of Beausoleil Island.	44 51 25	79 53 22	F. white.....	C .....	54	10
1302	WHISKY ISLAND....	Entrance to Penetanguishene Harbour.	44 49 0	79 53 20	F. white.....	D, 7..	33	11
1303	PENETANGUSHENE..	On outer end of Reformatory pier.	44 48 30	79 53 50	F. white.....	C .....	17	8
1306	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	SEGUN BANK GAS BUOY.	South end of bank....	45 19 21	80 31 30	F. white .....	D .....	10	4
1311	RED ROCK.....	At entrance to Parry Sound.	45 22 5	80 23 5	F. white.....	C .....	63	13

ONTARIO—Continued.

AND NORTH CHANNEL—Continued.

Colour and any peculiarity of Building.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
White, with vertical red stripe on N. side, square, wood.	34	Re-built 1883 n.o.v'd 1895		N.B.—There are ranges for ascertaining compass errors at this port. Particulars can be obtained from Harbour Master. 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.	1285
White, with vertical red stripe on N. side, square, wood.	46	Built 1895			1286
White, square, wood..	35	1878	Hand-horn answers signals from vessels.		1288
Mast, with drabshed at base.	25	1887			1289
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, wood.....		1858	Hand-horn answers signals from vessels.		1292
White, square, wood. Lantern red.	27	1884 changed 1894		Approaching from W. about ½ 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 when intercepted by trees on island.	1297
White, square, wood, surmounted by red iron lantern.	37	1893		Visible from all points of approach by water.	1298
White, square, wood..	36	1875	Hand-horn answers signals from vessels.	For guiding vessels to Penetanguishene and Midland Harbours.	1301
White, square, wood..	36	1882			1302
White, square, wood..	18	1876			1303
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.		1306
Red buoy.....		1889	Bell rung by action of waves.	Buoy must be kept on starboard hand in going northward.	1308
Black steel buoy, "Seguin Bank" in white letters on side, black conical slatwork cage, red lantern.		1898			1310
White, octagonal, wood, on pier.	44	1870 re-mov'd 1881	Hand-horn answers signals from vessels.		1311

## 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.
1313		On the westernmost Walton Island.	45 22 18	80 19 38	F. red .....	C.....	39	7
1314	SNUG HARBOUR RANGE.	On S. extremity of island on N. side of entrance to harbour. 3,100 feet E. by N. $\frac{1}{4}$ N. from Walton Island light.	45 22 27	80 18 58	F. white.....	C.....	62	13
1315	SPRUCE ISLAND SHOAL GAS BUOY.	S. extremity of shoal S. from Spruce Island.	45 19 52	80 15 48	F. white.....	D.....	7	3
1316		On summit of northernmost Gordon Rock.	45 18 56	80 17 15	F. red .....	C.....	40	7
1317	JONES ISLAND RANGE.	On S.W. point of Jones Island, 2,900 yards S.E. $\frac{1}{4}$ S. from Gordon Rock light.	45 18 0	80 15 42	F. white.....		63	8
1319	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
1320	CARLING ROCK.	Northern portion of highest part of rock.	45 20 8	80 14 27	F. white.....	D, 7..	26	7

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.
White, square, wood, with red stripe on side facing channel.	29	1894	.....		1313
White, square, wood, rising from roof of rectangular dwelling, with red stripe on side facing channel.	50	1894	.....	These two in one lead in E. by N. $\frac{1}{4}$ N. south of Seguin bank through main channel to intersection with Jones Island range.	1314
Black, steel buoy, "Spruce Island Shoal" in white letters on side, black 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. $\frac{1}{4}$ E., round through S., to N. W. by W. $\frac{1}{4}$ W. These two in one lead in S. E. $\frac{1}{4}$ S., from intersection with Snug Harbour range to Spruce 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.	1316
White, square, wood, rising from roof of rectangular dwelling, with red stripe on side facing channel.	50	1894	.....		1317
Red, steel buoy, "Hooper Island Shoal" in white letters on side, red conical slatwork cage, red lantern.		1898	.....		1319
White, square, wood, with red stripe on W. side.	27	1898	.....	Vessels entering Parry Sound will pass 200 yards south of Sequin 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 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 Kill Bear Point just open north of the north Sister Island E. $\frac{3}{4}$ S., 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

## 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.
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 western-most 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
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. white.....	C.....	50	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. white.....	C.....	15	6
1340	FRENCH RIVER....	Near the Creek, E. side of river, N.E. by N. 4,300 feet from Lefroy Island light.	.....	.....	F. red.....	C.....	37	6
1343	LONELY ISLAND.....	On summit of N. bluff.	45 34 27	81 28 11	F. white.....	C.....	195	20

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.	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			
White, square, wood, dwelling attached.	48	1870 removed 1885	Hand-horn answers signals from vessels.		1331
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	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			1337
White, square, wood, surmounted by square red wooden lantern.	28	1893			1338
White, square, wood, open framework.	13	1875		Leads in from its intersection with the inner Bustard Range to Lefroy Island, clear of all obstructions.	1339
White, square, wood, surmounted by square red wooden lantern.	33	1875			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. $\frac{1}{2}$ W. and N.E. by E.	1343

## 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.
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
1352		South light close to shore between docks 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 53 50	F. white	C	40	6
1355	NARROW ISLAND.	On west end	45 59 26	81 58 50	F. white	D, 7.	34	11
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
1362	BOYD ISLAND.	On small rock, near Boyd Islands, $\frac{1}{2}$ 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
1364	GORE BAY.	On Janet Head	45 56 40	82 28 58	F. white	D, 7.	43	11
1365	CAPE ROBERT.	On the northern extremity of the Cape.	45 59 44	82 49 40	F. white	D, 7.	46	12
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, 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
White, with lantern red, square, wood.	23	1866	.....	Vessels from eastward will pass close to the docks, 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
White, with iron lantern red, square wood, with kitchen attached.	45	1890	Hand-horn answers signals from vessels.	Visible from all points of approach.	1355
White, square, wood..	35	1866	Hand-horn answers signals from vessels.	.....	1358
White, square, wood, with red lantern.	27	1888 changed 1894	.....	.....	1360
White, square, wood..	39	1885	.....	.....	1362
White, square, wood, dwelling attached.	40	1879	Hand-horn answers signals from vessels.	Visible from all points seaward....	1364
White, square, wood, dwelling attached.	41	1885	.....	Visible from all points seaward....	1365
White, square, wood, dwelling attached.	50	1884	.....	Visible except between the bearing of S. E. $\frac{1}{4}$ S. and S.S.W. $\frac{1}{4}$ 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	.....	.....	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			
1373	HILTON	60 feet from outer end of public wharf.	46 15 35	83 53 20	F. white	C	25	3
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's channel.	46 19 6	83 59 35	F. white	D, 7	32	10
1378	SHOAL ISLAND	On N. extremity S. side of channel.	46 18 51	84 4 30	F. white	D, 7	32	11
	POINT DETOUR	U. S. Light.						
	FRYING PAN ISLAND	U. S. Light.						
	PIPE ISLAND	U. S. Light.						
	SWEETS POINT	U. S. Light.						
	ROUND ISLAND	U. S. Light.						
	WINTER POINT RANGE	U. S. Lights.						
1381		On west shore of St. Joseph Island, $\frac{1}{2}$ mile below Ross Wharf.	46 14 18	84 5 40	F. red	D. p.	19	2
1382	SAILORS ENCAMPMENT LOWER RANGE	64 feet east from shore line. 246 feet S. $\frac{1}{4}$ W. from front light.			F. red	D. p.	26	2
	ENCAMPMENT CRIB	U. S. Light.						
1384		On shore north of wharf	46 15 0	84 5 20	F. red	D. p.	21	2
1385		436 feet S.E. $\frac{1}{4}$ E. from front light.			F. red	D. p.	26	2
	RAINS WHARF RANGE							
1386		640 feet from shore	46 15 21	84 5 21	F. red	D. p.	65	2
1387	SAILORS ENCAMPMENT UPPER RANGE	260 feet N. $\frac{1}{4}$ E. from the front light.			F. red	D. p.	73	2
	DARK HOLE, EAST RANGE	U. S. Lights.						
	DARK HOLE, WEST RANGE	U. S. Lights.						

ONTARIO—Continued.

MARY.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
				Not under Marine Department.	1372
Lantern on a pole		1896	Hand-horn answers signals from vessels.		1373
White, hexagonal, wood on a pier.	30	1885			1375
White, square, wood, dwelling attached.	34	1885	Hand-horn answers signals from vessels.		1376
White, square, wood, dwelling attached.	34	1885			1378
Lantern on a mast	17	1892		The alignment, S. $\frac{1}{4}$ W. guides vessels down the river past the turn of Johnsons Point and should be kept from its intersection with Rains wharf range till the Encampment Crib (U.S.) light is passed when the alignment should be left on the port hand.	1381
Lantern on a mast	22	1892			1382
Lantern on a mast	15	1892		This range is in the same alignment as the Point of Woods (U.S.) Range, and guides vessels going down stream through Dark Hole passage, S.E. $\frac{1}{4}$ E., from its intersection with the alignment of the U.S., East Range, Dark Hole, to its intersection with the two Sailors Encampment Ranges.	1384
Lantern on a mast	22	1892			1385
Lantern on a mast	17	1892		This alignment, N. $\frac{1}{4}$ E. guides up the river past the turn at Johnsons Point. Should be taken as soon as the Encampment Crib (U.S.) light is abeam and kept until the Point of Woods (U.S.) lights are brought into alignment.	1386
Lantern on a mast	22	1892			1387

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.
	POINT OF WOODS RANGE.	U. S. Lights.						
	HEN AND CHICKENS (NEEBISH ISLAND) RANGE.	U. S. Lights.						
	HARWOOD POINT RANGE.	U. S. Lights.						
	EAST NEEBISH, LOWER RANGE.	U. S. Lights.						
	27 American lights in Hay Lake.							
	For North Channel lights, read upwards from No. 1378.							
	INDIAN POINT RANGE	United States lights.						
1390	EAST NEEBISH, UPPER RANGE.	On east shore, 159 feet from shore in line of Range.	46 21 32	84 7 0	F. red.....	D. p..	34	2
1391		302 feet N. $\frac{1}{2}$ E. from front light.			F. red .....	D. p..	42	2
	DUCK ISLAND RANGE	United States lights.						
	20 other United States lights to the Sault.							
1401	SAULT STE. MARIE	On Government wharf, 25 feet from S. E. corner.	46 30 21	84 19 0	F. red.....		14	2
1402	CANADIAN CANAL LOWER ENTRANCE	Near outer end of Lake Superior Power Co.'s jetty.	46 30 47	84 20 00	F. red, electric.....		37	3
1403		1,300 feet N. W. $\frac{3}{4}$ N. from front light.			F. red, electric.....		59	3
1404		See foot note*.	On cribwork beacon at turn in approach to canal.	46 30 39	84 21 43	F. white, electric.....		39
1405	CANADIAN CANAL, UPPER ENTRANCE	On E. extremity of Davignon Pt., 2,100 feet N. E. $\frac{1}{2}$ E. from front light.			F. white, electric.....		61	2
		On southern edge of curve, opposite beacon, dredged.			F. white.....			

\*NOTE.—The Canadian canal and its cribwork approaches are illuminated by two rows of arc lights, one

ONTARIO—Continued.

MARY—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 . . . . .	17	1892	.....	These two lights in one, N. $\frac{1}{2}$ 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
Lantern on a mast . . . . .		1894	.....	To indicate position of Government wharf.	1401
Lantern on a mast . . . . .		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 . . . . .		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 . . . . .		.....	.....	Not under Marine Department.	

on each side of the canal. The most westerly light in each row is a red one, all the others being white.

## 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.
1410	FOOTES DOCK.....	At shore end of dock, near the bank of the river.	46 1 0	84 20 30	F. red.....	D. p..	24	5
1413	POINT AUX PINS ...	On outer end of low sand point.	46 28 25	84 27 0	F. white.....	C....	30	8

## LAKE

1415	PANCAKE SHOAL BELL BUOY.	In 5 fathoms off the S.W. edge of the shoal.	46 54 30	84 47 45	.....	.....	.....	.....
1416	CORBAY POINT.....	Batchewana 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
1420	CARIBOU ISLAND....	On a small island S. W. of Caribou Island.	47 19 45	85 47 35	Rev. white, 10 seconds.	C....	76	15
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, ½ minute.	C....	105	16
1428	BATTLE ISLAND.....	E. entrance to Nepigon Bay.	48 44 45	87 32 50	Alt. red and white, 1½ minutes.	C....	105	16
1429	LAMB ISLAND... ..	Western entrance to Nepigon Bay.	48 36 23	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

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 a mast . . .	20	1890	.....	Beacon light shows up and down the river.	1419
White, square, wood..	23	1873	.....	.....	1413

SUPERIOR.

Red buoy .....			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	.....	To enter Gargantua harbour keep the light on the port side.	1418
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
White, square, wood..	32	1872	.....	.....	1422
White, square, wood..	20	1872	.....	.....	1423
White, square, wood, with dwelling attached. Iron lantern, red.	56	1891	.....	Vessels entering harbour leave light $\frac{1}{4}$ mile on port hand. There is good water throughout entrance.	1426
White, square, wood..	36	1877	.....	.....	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 intervals of 25 seconds.		1433

## 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.
1436	KAMINISTIQUA.....	On N. shore of river, near Fort William.	48 23 30	89 13 25	F. white.....	C.....	40	11
1437		879 feet E.N.E. from above.			F. white.....	C.....	30	1
1438	PORT ARTHUR.....	On cribwork block, 31 feet from W. end of breakwater.	48 25 40	89 12 30	F. white.....	C.....	43	11
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 20 10	F. white.....	D, 7..	89	15

LAKE

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

1448	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
1449		Back range on N. shore of Royal Island.			F. white.....	C.....	26	5
1450	FERRIS ISLAND.....	Off extreme West point of Bigsby Island.	49 3 6	94 39 25	F. white.....	D, 7..	36	11
1451	RAINY RIVER.....	Off S. extreme of Sable Island.	48 52 42	94 44 24	F. white.....	D, 7..	32	10
1452		$\frac{3}{4}$ mile S. E. by S. $\frac{3}{4}$ S. from main light.			F. red.....	D, 7..	28	7

ONTARIO—*Concluded.*

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, dwelling attached. Lantern red.	40	1873 re-built 1876	.....	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	.....		1438
White, square, wood. Lantern red.	23	1895	.....		1440
White, square, wood, with red iron lantern, white wooden building on low ground, S. and W. of light.	30	1881 buildings erected 1887	Hand-horn answers signals from vessels.		1441

NIPISSING.

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.	1448
White, square, wood..	28	1897	.....		1449
White, square, wood..	28	1897	.....		1450
White, square, wood, on piles in water.	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
Lantern on mast, on piles in water.	25	1895	.....		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	4 96 47 23	F. white.....	C.....	46	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.....	North-east 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 10	F. white.....	D, 7..	43	15
1458	CHANNEL ISLAND..	East end of Island, near mouth of Berens River, Lake Winnipeg.	52 18	0 97 23 0	F. white.....	D, 7..	34	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.	47	1895	.....		1454
White, square, wood, with vertical red stripe on side facing the channel. Upper part closed, lower part open.	27	1895	.....	The two lights in one lead to the entrance of the curved channel, which is marked by beacons.	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, with dwelling attached.	33	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.....	Electric.	21	4

COAST

1464	CAPE BEALE.....	S.E. point of entrance to Barclay Sound on W. coast of Vancouver Island.	48 47 30	125 13 16	Rev. white, 30 seconds.	C...	178	19
1466	CARMAHAH .....	On point 2 miles W. by N. $\frac{1}{2}$ N. from Bonilla Point.	48 36 32	124 46 10	Gp. rev. white, 30 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 30	123 32 20	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, stone, 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. A red sector between bearings of E. and S.S.E., shows over dangers in Barclay 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. $\frac{1}{4}$ W. and N.W. by W. $\frac{1}{2}$ W. and clears all offlying dangers. Shows red from N.W. by W. $\frac{1}{4}$ W. to S. $\frac{3}{4}$ 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 Brotchy 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. $\frac{1}{2}$ E. into Esquimalt harbour.	1473

## PROVINCE OF

## COAST NAVIGATION

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.	To be lit by electricity.						
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.....		8	3
1481	FIDDLE REEF.....	On reef.....	48 25 39	12 17 26	F. white with red sector over foul ground on western side of channel 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, Trincomalie Channel.	48 49 50	123 21 30	F. white with red sector over Enterprise Reef.	D, 7..	72	10
1489	ACTIVE (OR PLUMPER) PASS.	On Georgina Point, Mayne Island, Strait of Georgia.	48 52 25	123 17 50	F. white .....	D, 6..	55	....
1491	BARE POINT.....	On extremity of Point, Horseshoe Bay.	48 56 0	123 42 10	F. white .....	D, 7..	36	13
1493	FRASER RIVER.....	On S.W. end of Sturgeon Bank, S. Sand Heads.	49 5 0	123 17 10	F. white .....	D, 3..	52	12

BRITISH COLUMBIA—Continued.

TION—Continued.

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
					1476
White, square, wood, dwelling attached. Bell tower on seaward side.	30	1876	Bell rung by hand answers vessels' signals.	Light bears from Brotchy Ledge buoy N. N. W. $\frac{1}{4}$ W. Shows red over Brotchy 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 an arc of 45° 30' between the bearings of S. by W. $\frac{1}{4}$ W. around through S. to S. S. E. $\frac{3}{4}$ E. and over an arc of 48° 30' between the bearings of N. $\frac{3}{4}$ W. and N. E. $\frac{1}{2}$ N. Over remainder of circle it remains fixed white. When the light changes from red to white the fairway of Bayne's channel or Mayor channel, as the case may be, is open, and while passing through the channel the white light must be kept open.	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. $\frac{1}{4}$ 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 8 seconds duration, with intervals of 52 seconds.	Coast light, and indicates the eastern entrance to Active Pass. Visible from W. $\frac{1}{3}$ S. round by N. to N. E. $\frac{1}{4}$ N. Light in sight clears dangers between Active Pass and East Point.	1489
White, square wooden dwelling, with lantern on roof.	30	1897	.....	.....	1491
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

## PROVINCE OF

## COAST NAVIGA

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.
1494	SAND HEADS BELL-BUOY.	In 17 fathoms N.E. $\frac{3}{4}$ N. 1,350 feet 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 $7\frac{1}{2}^{\circ}$ over Gabriola reef.	D, 5..	65	14
1503	GALLOWES POINT BEACON.	S. side of entrance to Nanaimo Harbour.	49 10 12	123 55 27	F. red .....	D, p..	10	2
1504	MIDDLE GROUND BEACON.	Nanaimo Harbour.....	.....	.....	F. white.....	D, p..	8	2
1507	THE SISTERS.....	On easterly and largest rock.	49 29 3	124 27 34	F. white.....	D, 7..	46	12
1509		Back tower near eastern extremity of island.	49 28 16	120 42 10	F. white.....	D, 7..	71	13
1510	YELLOW ISLAND...	Front tower 290 feet S. $74^{\circ}$ W. from back one.	.....	.....	F. white.....	C....	48	.....

BRITISH COLUMBIA—Continued.

TION—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 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, at intervals of 1 minute.	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 Sturge-on Bank, off Fraser River.	1497
Red lantern rising from red roof of white building.	31	1898	Bell strikes twice in quick succession each minute.	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.	1499
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.	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 buoy $\frac{1}{2}$ mile.	1501
Lantern attached to cluster of 3 piles forming beacon.	.....	1892	.....	Maintained regularly. In storms dependence must not be placed on it. Gallows Point bears N.W. by N., distant $1\frac{1}{2}$ cables.	1503
Lantern attached to cluster of 3 piles forming beacon.	.....	1892 ch'ged 1894	.....	This beacon bears S.W. by W. from Gallows Point, distant $3\frac{2}{3}$ cables, and W. by S. $3\frac{1}{2}$ cables from Gallows Point Beacon.	1504
White square tower rising from corner of rectangular dwelling. Lantern red.	36	1898	Bell attached to building gives stroke every 30 seconds.	.....	1507
White, square, wood .. white dwelling 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. $74^{\circ}$ W. and N. $74^{\circ}$ E. favouring the Denman Island or Reef buoy side of the channel in not less than 10 fathoms of water.	1509
White, square, wood ..	20	1898	.....	.....	1510

## PROVINCE OF

## COAST NAVIGA

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.
1512	CAPE MUDGE . . . .	West extremity . . . . .	50 0 5	125 13 18	F. white . . . . .	D, 7 . . . . .	32	10
1514	EGG ISLAND . . . . .	West side of island on summit of small isle.	51 14 43	127 50 38	Rev. white, 30 seconds.	C . . . . .	72	14
1517	IVORY ISLAND . . . . .	On Surf Point . . . . .	52 16 15	128 25 50	F. white . . . . .	D, 7 . . . . .	66	13

BRITISH COLUMBIA—*Concluded.*

TION—*Concluded.*

Colour and any peculiarity of Buildings.	Height in feet of Building from base to vane.	When established.	Fog-Signal.	Remarks.	No.
Red lantern rising from red roof of white dwelling.	30	1898	.....	Visible over an arc of 205° between the bearings of S. 48° E. around through N. to N. 73° W.	1512
White, square, wood, dwelling attached. Lantern red.	50	1898	.....	Visible between the bearings N. 45° W. round 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 building.	30	1898	.....	Visible over an arc of 233° between the bearings S. 75° W. round through N. to S. 52° E.	1517



# INDEX

N.B.—The names by which the lights are most generally known are printed in common or lower case letters, and the names of the places near which the lights are situated, in *italics*.

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