

The ship channel is well defined by buoys and the centre marked by range lights, permitting uninterrupted day and night navigation throughout the open season from about mid-April to early December. The movements of all shipping, weather and ice conditions and obstructions to traffic throughout the St. Lawrence waterway from Fame Point, Que., to Kingston, Ont., are recorded and made available to all concerned through a series of reporting stations known as the Marine Reporting Service.

A fleet of ice-breaking vessels is maintained to facilitate the movement of shipping between Montreal and the sea during the opening and closing of navigation, and to alleviate flood conditions in low-lying areas.

### 18.—Seasons of Open Navigation on the St. Lawrence Ship Channel 1938-57

NOTE.—Figures from 1882 are given in the corresponding table of previous Year Books beginning with the 1934-35 edition.

Year	Channel Open, Quebec to Montreal <sup>1</sup>	First Arrival from Sea, Montreal Harbour	Last Departure for Sea, Montreal Harbour	Year	Channel Open, Quebec to Montreal <sup>1</sup>	First Arrival from Sea, Montreal Harbour	Last Departure for Sea, Montreal Harbour
1938.....	Apr. 12	Apr. 18	Dec. 4	1948.....	Apr. 10	Apr. 19	Dec. 10
1939.....	" 29	" 29	" 12	1949.....	" 7	" 7	" 15
1940.....	" 23	" 24	" 5	1950.....	" 18	" 18	" 7
1941.....	" 14	" 19	" 17	1951.....	" 11	" 13	" 13
1942.....	" 17	May 2	" 16	1952.....	" 12	" 13	" 10
1943.....	" 29	" 24	" 13	1953.....	Mar. 30	" 2	" 21
1944.....	" 20	Apr. 21	" 9	1954.....	Apr. 15	Mar. 30	" 15
1945.....	" 1	" 9	" 3	1955.....	" 17	Apr. 5	" 15
1946.....	" 1	" 12	" 18	1956.....	" 13	" 2	" 17
1947.....	" 16	" 19	" 5	1957.....	" 8	" 4	" 18

<sup>1</sup> "Channel Open" means the route can be navigated although there may be floating ice in the river.

### Subsection 5.—Marine Services of the Federal Government

The services covered in this Subsection deal with steamship inspection, pilotage service, sea-faring personnel and the operations of the Canadian National (West Indies) Steamships Limited.

**Steamship Inspection.**—The Steamship Inspection Service, provided for under Part VII of the Canada Shipping Act, is responsible for the administration and carrying out of the provisions of the Act respecting the periodic inspection of power-driven ships and the issue of inspection certificates; the assignment of load lines; the conditions under which dangerous goods may be carried in ships; the protection against accident of workers employed in loading and unloading ships; the prevention from pollution of Canadian territorial and inland waters by oil from ships; and also for the administration and carrying out of the provisions relating to the certification and employment of marine engineers. The Service has a headquarters staff at Ottawa and staffs of inspectors at the principal ocean and inland ports.

The Board of Steamship Inspection decides on questions arising out of the administration of the Act and takes care of the interests of the Federal Government in schools for marine engineers.