

Summary of air obstructions for this booklet

Location	Type	Position (centroid)	Overhead clearance (on nautical charts)		Datum	Datum Relative to C.D.
			Bridge / Bare cable	Cable with ice		
Main Shipping Channel						
Trois-Rivières-Ouest	Cable	46°19.0'N; 72°33.1'W	40 m ⁽²⁾	31 m ⁽³⁾	H.H.W.L.T.	3.1 m ⁽¹⁾
Pont Laviolette	Bridge	46°18.5'N; 72°33.7'W	48 m ⁽⁴⁾	—	H.H.W.L.T.	3.1 m ⁽¹⁾
Sorel-Tracy — Lanoraie	Cable	45°59.8'N; 73°10.9'W	55 m	52 m	C.D.	-
Pointe-aux-Trembles	Cable	45°39.4'N; 73°28.3'W	53 m	48 m	C.D.	-
Longue-Pointe — Île Charron	Cable	45°34.9'N; 73°30.1'W	49 m ⁽⁵⁾	42 m ⁽⁶⁾	C.D.	-
Pont Jacques-Cartier						
If alongside wharf	Bridge	45°31.3'N; 73°32.7'W	49 m	—	C.D.	-
Main shipping channel	Bridge	45°31.3'N; 73°32.6'W	51 m ⁽⁷⁾	—	C.D.	-
St. Lawrence Seaway	Bridge	45°31.3'N; 73°31.6'W	43 m	—	C.D.	-

⁽¹⁾ **Notes** In the area including Pont Laviolette and downstream in Port de Trois-Rivières, which is considered as a zone under tidal influence, the seasonal fluctuations in the river flow may cause a larger tidal range in the river level than that caused by the daily tide. These seasonal fluctuations may reach 3.1 m even though the maximum tidal range for large tides is 0.3 m.

⁽²⁾ **Bare cable at Trois-Rivières-Ouest (in zero wind condition):**

The **minimum safety clearance** of 40 m is at 222 m SE of the course line 030° - 210° in the centre of the main shipping channel under Pont Laviolette.

At 60 m SE of this course line, the safety clearance is 44 m.

At 30 m SE of this course line, the safety clearance is 46 m.

At the centre of this course line, the safety clearance is 47 m.

At 30 m NW of this course line, the safety clearance is 49 m.

At 60 m NW of this course line, the safety clearance is 52 m.

⁽³⁾ **Cable with ice at Trois-Rivières-Ouest (in zero wind condition):**

The **minimum safety clearance** of *31 m is at 222 m SE the course line 030° - 210° in the centre of the main shipping channel under Pont Laviolette.

At 60 m SE of this course line, the safety clearance is *35 m.

At 30 m SE of this course line, the safety clearance is *37 m.

At the centre of this course, the safety clearance is *39 m.

At 30 m NW of this course line, the safety clearance is *41 m.

At 60 m NW of this course line, the safety clearance is *44 m.

⁽⁴⁾ **Pont Laviolette:**

There is a **minimal vertical clearance** of 48 m under the bridge within the 225 m width of the main shipping channel.

There is a vertical clearance of 49 m in the centre of the main shipping channel.

⁽⁵⁾ **Bare cable at Longue-Pointe — Île Charron (in zero wind condition):**

The **minimum safety clearance** of 49 m is at the course line Maisonneuve — Longue-Pointe 022½° - 202½°.

At 128 m WNW of this course line, the safety clearance is 52 m.

At 239 m WNW of this course line, the safety clearance is 62 m.

⁽⁶⁾ **Cable with ice at Longue-Pointe — Île Charron (in zero wind condition):**

The **minimum safety clearance** of *42 m is at the course line Maisonneuve — Longue-Pointe 022½° - 202½°.

At 128 m WNW of this course line, *the safety clearance is not available: caution.*

At 239 m WNW of this course line, *the safety clearance is not available: caution.*

⁽⁷⁾ **Pont Jacques-Cartier:**

There is a vertical clearance of 51 m in the centre of the 122 m wide main shipping channel.