



National Research  
Council  
Canada

Conseil National de  
Recherches  
Canada

Institute for Ocean  
Technology

Institut des Technologies  
Océaniques

## Ship-Iceberg Collision Incident Report



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### Vessel Characteristics

<b>Name:</b> Speranza	<b>Prime Mover:</b> Sail
<b>Flag:</b>	<b>Transmission:</b> Unknown
<b>ASPPR Ice Class:</b> Unknown	<b>Power (kW):</b>
<b>Lloyd's Class:</b> Unknown	<b># Propellers:</b>
<b>Baltic Class:</b> Unknown	<b>Prop. Type:</b> Unknown
<b>Vessel Type:</b> Sailing Vessel	<b>Service Speed:</b>
<b>Owner:</b> T.M. Nielson & Son	<b>Stern Form:</b>
<b>Registered Country:</b> United Kingdom	<b>Steel Grade:</b> Unknown
<b>Year of Manufacture:</b> 1852	

**Bow Shape:** Unknown  
**Stem Angle:**

<u>Dimensions (m):</u>		<u>Mass (tonnes):</u>	
<b>Length:</b>	34.5	<b>Gross:</b>	354
<b>Beam:</b>	8.2	<b>Net:</b>	241
<b>Depth:</b>	5.1	<b>Dead:</b>	326

**Miscellaneous Vessel Notes:**

Wooden Barque, regularly operating between Liverpool and Canada.

### Collision Details

<b>Date:</b> 10-Jul-1890	
<b>Visibility (nautical miles):</b>	<b>Air Temperature:</b>
<b>Visibility:</b> Poor	<b>Water Temperature:</b>
<b>Visibility - Fog:</b> Fog	<b>Wind Speed:</b> 25
<b>Visibility - Snow:</b> Unknown	<b>Wave Height:</b>
<b>Visibility - Light:</b> Night	<b>Sea State:</b> Moderate

**Collision Speed:**

Kerwin Place  
P.O. Box 12093  
St. John's, Newfoundland  
A1B 3T5  
Fax:(709) 772-2462

Place Kerwin  
C.P. 12093  
St. John's, Terre-Neuve  
A1B 3T5  
Télécopieur:(709) 772-2462



## Damage Details

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<b>Damage Sustained:</b> Yes	<b>Damage Report No. :</b>
<b>Scenario:</b> Direct Impact	<b>Steel Failure Type:</b> Unknown
<b>Severity:</b> Sinking	<b>Size - Length (m):</b>
<b>Location:</b> Bow	<b>Size - Height (m):</b>
<b>Code:</b> Hole	<b>Damage Below WL (m):</b>
<b>Length of Downtime:</b>	<b>Damage Above WL - Height (m):</b>
<b>Cost of Downtime:</b>	<b>Damage Above WL - Length (m):</b>
<b>Cost to Repair:</b>	
<b>No. Lives Lost:</b> 4	
<b>No. Injuries:</b> 1	<b>Cause of Deaths/Injuries:</b> Unknown
<b>Cargo Loss:</b> Yes	
<b>Pollution:</b> Unknown	<b>Pollution Potential:</b> Unknown

### Cause of Damage:

Ran into a berg without doing any great damage one day then two nights later in a thick fog and strong NW winds ran into a berg as high as the spars and fully a mile long off the Grand Banks. Lat - lon estimated.

### Damage Description:

Bows crushed against cliff like face and vessel began to sink at once. Masts came down and vessel continued to crunch against side of berg. Crew took to two boats. Apparently on east side of huge ice field. Started towards Newfoundland. Took 3 days to get through ice field and 1 boat with 4 men became separated in fog after second day and was never seen again. Low on provisions which ran out on eighth day were spotted by the bark Askow on the ninth and the 6 survivors including a boy with badly frozen feet were

## Ice Details

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**Ice Briefing Received:** Unknown

**Iceberg Population:**

**IIP Iceberg Number:**

**Sea Ice Concentration:**

**Position of Nearest Known Iceberg:**

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**Iceberg Shape:** Unknown

**Latitude:** 0 ° ' " N

**Iceberg Size:** Ice Island

**Longitude:** 0 ° ' " W

**Length:** 1600

**Date of Observation:**

**Width:**

**Iceberg Tonnage:**

## Route Details

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**Geographic Area:** Grand Banks

**Origin:** Liverpool

**Collision Latitude:** 46 ° 03 ' " N

**Destination:** Shediac, New Brunswick

**Collision Longitude:** 048 ° 57 ' " W

**Distance:**

**Locale Accuracy:** Unknown

**Cargo at Event:**

**Voyage:**

**Displacement:**

**Draft FWD (m):**

**Captain's Experience:** Unknown

**Radar Equipped?:** Unknown

**Radar Details:**

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