



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> Solborg	<b>Prime Mover:</b> Oil Engine
<b>Flag:</b> Denmark (Faroes)	<b>Transmission:</b> Geared
<b>ASPPR Ice Class:</b> Unknown	<b>Power (kW):</b> 2250
<b>Lloyd's Class:</b> Unknown	<b># Propellers:</b> 1
<b>Baltic Class:</b> Unknown	<b>Prop. Type:</b> Unknown
<b>Vessel Type:</b> Fishing trawler	<b>Service Speed:</b> 15
<b>Owner:</b> Isborg	<b>Stern Form:</b>
<b>Registered Country:</b> Norway	<b>Steel Grade:</b> Unknown
<b>Year of Manufacture:</b> 1987	<b>Miscellaneous Vessel Notes:</b>
<b>Bow Shape:</b> Unknown	Shrimp factory trawler. DNV disclassified.
<b>Stem Angle:</b>	
<b>Dimensions (m):</b>	<b>Mass (tonnes):</b>
<b>Length:</b> 63.8	<b>Gross:</b> 2015
<b>Beam:</b> 13	<b>Net:</b> 643
<b>Depth:</b> 8.12	<b>Dead:</b>

### Collision Details

<b>Date:</b> 17-Jun-2004	<b>Air Temperature:</b> 10
<b>Visibility (nautical miles):</b> 0.05	<b>Water Temperature:</b> 6
<b>Visibility:</b> Poor	<b>Wind Speed:</b> 3
<b>Visibility - Fog:</b> Fog	<b>Wave Height:</b> 0
<b>Visibility - Snow:</b> Unknown	<b>Sea State:</b> Unknown
<b>Visibility - Light:</b> Night	

**Collision Speed:**

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Place Kerwin  
C.P. 12093  
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## 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> Denting	<b>Size - Length (m):</b>
<b>Location:</b> Bow	<b>Size - Height (m):</b>
<b>Code:</b> Plate	<b>Damage Below WL (m):</b>
<b>Length of Downtime:</b>	<b>Damage Above WL - Height (m):</b> 10
<b>Cost of Downtime:</b>	<b>Damage Above WL - Length (m):</b>
<b>Cost to Repair:</b>	
<b>No. Lives Lost:</b>	
<b>No. Injuries:</b>	<b>Cause of Deaths/Injuries:</b> Unknown
<b>Cargo Loss:</b> No	
<b>Pollution:</b> No	<b>Pollution Potential:</b> Unknown

### Cause of Damage:

Struck a 15 - 20 meter high iceberg 22 nautical miles E of Cape St. Francis at 0453 UTC in fog of visibility less than half a mile. One report referred to it as a large berg. A large berg was reported by the "Chinook" in 47°46'N 52°16'W on the 13th.  
TSB indicate a large number of radar returns from fishing buoys with large radar reflectors and that iceberg

### Damage Description:

Bow plates heavily dented and dished with frames and strakes apparent. Bows estimated at about 25' (7-8 meters) high. Several tons of ice on deck from iceberg, so iceberg must have been at least 30 to 40 feet (10 meters) high. Inside damage to bows believed to be more severe than indicated from outside.

## Ice Details

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**Ice Briefing Received:** Unknown

**Iceberg Population:**

**IIP Iceberg Number:**

**Sea Ice Concentration:** 0

**Position of Nearest Known Iceberg:**

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**Iceberg Shape:** Unknown

**Latitude:** 47 ° 47 ' " N

**Iceberg Size:** Small

**Longitude:** 052 ° 16 ' " W

**Length:** 60

**Date of Observation:** 13-Jun-2004

**Width:**

**Iceberg Tonnage:**

## Route Details

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**Geographic Area:** Grand Banks

**Origin:** Fishing outside 200 mile limit on Flemish

**Collision Latitude:** 47 ° 52 ' " N

**Destination:** Bay Roberts

**Collision Longitude:** 052 ° 15 ' " W

**Distance:**

**Locale Accuracy:** Known

**Cargo at Event:** 486 tons of shrimp

**Voyage:**

**Displacement:**

**Draft FWD (m):** 5.622

**Captain's Experience:** Unknown

**Radar Equipped?:** Yes

**Radar Details:**

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