



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> Des Groseilliers	<b>Prime Mover:</b> Medium Speed Dies
<b>Flag:</b>	<b>Transmission:</b> Electric
<b>ASPPR Ice Class:</b> CAC4	<b>Power (kW):</b> 10.004
<b>Lloyd's Class:</b> 100A1	<b># Propellers:</b> 2
<b>Baltic Class:</b> Unknown	<b>Prop. Type:</b> Fixed Pitch (FP)
<b>Vessel Type:</b> Unknown	<b>Service Speed:</b> 16
<b>Owner:</b> Canadian Coast Guard	<b>Stern Form:</b>
<b>Registered Country:</b> St Catharines, Canada	<b>Steel Grade:</b> Unknown
<b>Year of Manufacture:</b> 1982	<b>Miscellaneous Vessel Notes:</b>
<b>Bow Shape:</b> Unknown	Alco 4 SA 16-cyl.
<b>Stem Angle:</b> 18	
<b>Dimensions (m):</b>	<b>Mass (tonnes):</b>
<b>Length:</b> 98.24	<b>Gross:</b> 5910
<b>Beam:</b> 19.8	<b>Net:</b> 1678
<b>Depth:</b> 10.8	<b>Dead:</b> 6098

### Collision Details

<b>Date:</b> 29-Aug-1989	<b>Air Temperature:</b> 3
<b>Visibility (nautical miles):</b>	<b>Water Temperature:</b>
<b>Visibility:</b> Good	<b>Wind Speed:</b> 15
<b>Visibility - Fog:</b> Clear	<b>Wave Height:</b>
<b>Visibility - Snow:</b> Clear	<b>Sea State:</b> Calm
<b>Visibility - Light:</b> Unknown	
<b>Collision Speed:</b> 1	
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> Unknown	<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>	
<b>No. Injuries:</b>	<b>Cause of Deaths/Injuries:</b> Unknown
<b>Cargo Loss:</b> Unknown	
<b>Pollution:</b> Unknown	<b>Pollution Potential:</b> Unknown

### Cause of Damage:

Vessel damaged her bow while deflecting an iceberg away from the "Irving Nordic" in Sunshine Fiord, Cape Dyer, Baffin Island. 1 - 5 icebergs in area with no bergy bits or growlers. Ice chart shows bergy waters.

### Damage Description:

Minor but unknown damage.

## 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: Unknown

Longitude: 0 ' " W

Length:

Date of Observation:

Width:

Iceberg Tonnage:

## Route Details

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Geographic Area: Labrador Sea and Davi

Origin:

Collision Latitude: 66 ° 34 ' 18 " N

Destination:

Collision Longitude: 061 ° 40 ' 48 " W

Distance:

Locale Accuracy: Known

Cargo at Event:

### Voyage:

Displacement:

Draft FWD (m): 7.4

Captain's Experience: Unknown

Radar Equipped?: Unknown

### Radar Details:

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