



National Research  
Council  
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Conseil National de  
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Institute for Ocean  
Technology

Institut des Technologies  
Océaniques

## Ship-Iceberg Collision Incident Report



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### Vessel Characteristics

<b>Name:</b> Nordik Express	<b>Prime Mover:</b> Diesel Electric	
<b>Flag:</b> Canada	<b>Transmission:</b> Unknown	
<b>ASPPR Ice Class:</b> Type D	<b>Power (kW):</b> 6000	
<b>Lloyd's Class:</b> Unknown	<b># Propellers:</b> 2	
<b>Baltic Class:</b> Unknown	<b>Prop. Type:</b> Fixed Pitch (FP)	
<b>Vessel Type:</b> Passenger / Cargo Ferry	<b>Service Speed:</b> 12	
<b>Owner:</b> Transport Desgagnes Inc	<b>Stern Form:</b>	
<b>Registered Country:</b> USA	<b>Steel Grade:</b> Unknown	
<b>Year of Manufacture:</b> 1974	<b>Miscellaneous Vessel Notes:</b>	
<b>Bow Shape:</b> Unknown	Former oil rig supply ship equipped with two very powerful engines and a reinforced hull that allow it to break ice up to 120 cm thick. Built as "Theriot Offshore IV". Renamed "Scotoil 4" 1977. Renamed "Tartan Sea" 1979. Renamed "Nordic Express" 1987.	
<b>Stem Angle:</b>		
<b>Dimensions (m):</b>		
<b>Mass (tonnes):</b>		
<b>Length:</b> 69.5	<b>Gross:</b> 1748	
<b>Beam:</b> 13.4	<b>Net:</b> 578	
<b>Depth:</b> 5.8	<b>Dead:</b> 3000	

### Collision Details

<b>Date:</b> 18-May-1991	<b>Air Temperature:</b>
<b>Visibility (nautical miles):</b>	<b>Water Temperature:</b>
<b>Visibility:</b> Good	<b>Wind Speed:</b>
<b>Visibility - Fog:</b> Clear	<b>Wave Height:</b>
<b>Visibility - Snow:</b> Clear	<b>Sea State:</b> Unknown
<b>Visibility - Light:</b> Unknown	
<b>Collision Speed:</b>	
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> Unknown	<b>Damage Report No. :</b>
<b>Scenario:</b> Striking concealed growler/ber	<b>Steel Failure Type:</b> Unknown
<b>Severity:</b> Unknown	<b>Size - Length (m):</b>
<b>Location:</b> Unknown	<b>Size - Height (m):</b>
<b>Code:</b> Unknown	<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:

Alleged contact with ice growler May 18-19, 1991 sustained on loaded passage from St. Augustin to Vieux Port, Quebec in light 4/10ths ice conditions, 7 nm SSW of L'le Vermettes, Gulf of St. Lawrence. Normally on run along Gulf of St. Lawrence to Blanc Sablon. Lat - lon estimated.

### Damage Description:

Unknown damage to starboard side but had to be surveyed in drydock at Lauzon, Quebec where permanent repairs were carried out.

## Ice Details

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**Ice Briefing Received:** Unknown

**Iceberg Population:**

**IIP Iceberg Number:**

**Sea Ice Concentration:** 4

**Position of Nearest Known Iceberg:**

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**Iceberg Shape:** Unknown

**Latitude:** 0 ° ' " N

**Iceberg Size:** Growler

**Longitude:** 0 ° ' " W

**Length:**

**Date of Observation:**

**Width:**

**Iceberg Tonnage:**

## Route Details

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**Geographic Area:** Strait of Belle Isle and

**Origin:** St. Augustin

**Collision Latitude:** 51 ° 15 ' " N

**Destination:** Vieux Port, Quebec

**Collision Longitude:** 057 ° 50 ' " W

**Distance:**

**Locale Accuracy:** Estimated

**Cargo at Event:**

**Voyage:**

**Displacement:**

**Draft FWD (m):** 4.9

**Captain's Experience:** Unknown

**Radar Equipped?:** Unknown

**Radar Details:**

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