



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

Name: Mesange	Prime Mover: Diesel	
Flag: Canada	Transmission: Geared	
ASPPR Ice Class: Unknown	Power (kW): 5965	
Lloyd's Class: 100A1	# Propellers: 1	
Baltic Class: Unknown	Prop. Type: Controllable Pitch (CP)	
Vessel Type: General Cargo	Service Speed: 16	
Owner: Boreal Navigation Inc.	Stern Form:	
Registered Country: Sweden	Steel Grade: Unknown	
Year of Manufacture: 1969	Miscellaneous Vessel Notes:	
Bow Shape: Unknown	Built as "Boreland (II) 1979 renamed "Sunemerillon" 1982 renamed "Mesange" 1985 renamed "Lucien Paquin" 2001 renamed "Igen Ice" Ice Class 1 LMC UMS Stenghtened for heavy cargoes	
Stem Angle:		
Dimensions (m):		Mass (tonnes):
Length: 135.4		Gross: 10034
Beam: 21.5		Net: 7005
Depth: 11.7	Dead: 12800	

Collision Details

Date: 21-Jul-1983	Air Temperature:
Visibility (nautical miles):	Water Temperature:
Visibility: Unknown	Wind Speed: 20
Visibility - Fog: Unknown	Wave Height:
Visibility - Snow: Unknown	Sea State: Ice covered - Moderate
Visibility - Light: Unknown	
Collision Speed: 10	
Kerwin Place	Place Kerwin
P.O. Box 12093	C.P. 12093
St. John's, Newfoundland	St. John's, Terre-Neuve
A1B 3T5	A1B 3T5
Fax:(709) 772-2462	Télécopieur:(709) 772-2462



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Damage Details

Damage Sustained: Yes	Damage Report No. : 288
Scenario: Striking concealed growler/ber	Steel Failure Type: Brittle
Severity: Hole	Size - Length (m): 1.4
Location: Bow	Size - Height (m): 0.45
Code: Plate	Damage Below WL (m): 2
Length of Downtime:	Damage Above WL - Height (m): 0
Cost of Downtime:	Damage Above WL - Length (m): 0
Cost to Repair:	
No. Lives Lost: 0	
No. Injuries: 0	Cause of Deaths/Injuries: Unknown
Cargo Loss: No	
Pollution: No	Pollution Potential: Unknown

Cause of Damage:

Damage suffered while travelling in 6 tenths second year rafted ice about 3.6m thick. Possibility of striking a concealed growler, however, it is possible this is a multi-year ice event as opposed to an iceberg event.

Damage Description:

Hull damage: hole 2m below water, 1.4m long x 0.45m wide. Doubler plate peeled back on port side. Stem plate and adjacent plates torn and buckled. Bow damage between 4.1m and 6.1m draft lines. The ship has a long history of repair and the current damage was to a previously repaired area of the bow which was not up to standard.

Ice Details

Ice Briefing Received: Unknown

Iceberg Population:

IIP Iceberg Number:

Sea Ice Concentration:

Position of Nearest Known Iceberg:

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Iceberg Shape: Unknown
Iceberg Size: Multi-Year
Length:
Width:
Iceberg Tonnage:

Latitude: 0 ° ' " N
Longitude: 0 ° ' " W

Date of Observation:

Route Details

Geographic Area: Hudson Strait

Origin:

Collision Latitude: 61 ° 17 ' " N

Destination:

Collision Longitude: 064 ° 22 ' " W

Distance:

Locale Accuracy: Known

Cargo at Event: 3796 tonnes general cargo

Voyage:

Displacement:

Draft FWD (m): 6.223

Captain's Experience: Unknown

Radar Equipped?: Yes

Radar Details:

Decca RMS 1230

Decca RM 729

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