



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: Louis S. St-Laurent	Prime Mover: Diesel Electric
Flag: Canada	Transmission: Unknown
ASPPR Ice Class: CAC4	Power (kW): 20142
Lloyd's Class: 100A1	# Propellers: 3
Baltic Class: Unknown	Prop. Type: Fixed Pitch (FP)
Vessel Type: Icebreaker	Service Speed: 16
Owner: Government of Canada	Stern Form:
Registered Country: Canada	Steel Grade: Unknown
Year of Manufacture: 1969	<u>Miscellaneous Vessel Notes:</u>
Bow Shape: Unknown	
Stem Angle:	
<u>Dimensions (m):</u>	<u>Mass (tonnes):</u>
Length: 119.63	Gross: 11441
Beam: 24.38	Net: 5370
Depth: 13.1	Dead:

Collision Details

Date: 17-Aug-2001	Air Temperature:
Visibility (nautical miles):	Water Temperature:
Visibility: Poor	Wind Speed:
Visibility - Fog: Thick fog	Wave Height:
Visibility - Snow: Unknown	Sea State: Unknown
Visibility - Light: Low light	
Collision Speed: 2	

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
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Damage Details

Damage Sustained: No	Damage Report No. :
Scenario: Glancing Blow	Steel Failure Type: Unknown
Severity: No damage	Size - Length (m):
Location: Midship	Size - Height (m):
Code: Unknown	Damage Below WL (m):
Length of Downtime:	Damage Above WL - Height (m):
Cost of Downtime:	Damage Above WL - Length (m):
Cost to Repair:	
No. Lives Lost:	
No. Injuries:	Cause of Deaths/Injuries: Unknown
Cargo Loss: No	
Pollution: No	Pollution Potential: No

Cause of Damage:

During Nares 2001 expedition, while going very slowly in fog in a summer's night, side-swiped a large flat iceberg almost made invisible by cover of dark rocks against dark waters. Neither was it picked up by radar.

Damage Description:

None.

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: Blocky

Latitude: 0 ° ' " N

Iceberg Size: Medium

Longitude: 0 ° ' " W

Length: 70

Date of Observation:

Width: 50

Iceberg Tonnage:

Route Details

Geographic Area: Baffin Bay Area

Origin:

Collision Latitude: 80 ° 07 ' 42 " N

Destination: Nares Channel

Collision Longitude: 069 ° 53 ' 54 " W

Distance:

Locale Accuracy: Known

Cargo at Event:

Voyage:

Displacement:

Draft FWD (m): 9.91

Captain's Experience: Unknown

Radar Equipped?: Unknown

Radar Details:

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