



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: BCM Atlantic	Prime Mover: Oil Engine
Flag: Canada	Transmission: Unknown
ASPPR Ice Class: Type A	Power (kW): 1477
Lloyd's Class: DNV Polar 20	# Propellers: 1
Baltic Class: Unknown	Prop. Type: Unknown
Vessel Type: Fishing trawler	Service Speed:
Owner: Mersey Seafoods Ltd.	Stern Form:
Registered Country: Norway	Steel Grade: Unknown
Year of Manufacture: 1973	Miscellaneous Vessel Notes:

Bow Shape: Bulbous

Stem Angle:

Dimensions (m):

Length: 56.1
Beam: 11
Depth: 5.1

Mass (tonnes):

Gross: 877
Net: 3572
Dead:

Conventional stern freezer trawler of welded construction. Built to DNV Ice Class A, imported and registered in Canada 1980, No longer classed with DNV, the scantlings to ice class were maintained.
ex. Gadus Petrel
ex. Seafridge Petrel

Collision Details

Date: 18-Mar-2000

Visibility (nautical miles):

Visibility: Poor

Visibility - Fog: Unknown

Visibility - Snow: Drifting snow

Visibility - Light: Night

Collision Speed: 7

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Air Temperature: -11

Water Temperature:

Wind Speed: 20

Wave Height:

Sea State: Rough



Damage Details

Damage Sustained: Yes	Damage Report No. :
Scenario: Striking concealed growler/ber	Steel Failure Type: Unknown
Severity: Sinking	Size - Length (m):
Location: Shoulder	Size - Height (m): 1
Code: Hole	Damage Below WL (m): 0.35
Length of Downtime:	Damage Above WL - Height (m):
Cost of Downtime:	Damage Above WL - Length (m):
Cost to Repair:	
No. Lives Lost: 0	
No. Injuries: 0	Cause of Deaths/Injuries: Unknown
Cargo Loss: Unknown	
Pollution: No	Pollution Potential: Unknown

Cause of Damage:

While swinging to starboard at six to seven knots, exposing the port side to ice contact, the vessel struck ice [assumed to be a bergy bit] and was holed on the port side shell plating near the common bulkhead between the engine-room and the cargo hold. Almost identical in circumstance and locality to the "Pandalus" of which crew she rescued (see 16 June 1985).

Damage Description:

Vessel was holed in shell plating on port side in vicinity of a common bulkhead between the engine-room and the cargo hold. 1 m vertical slash observed by crew 35 cm below waterline. Horizontal extent unknown. The hole likely extended forward of the engine-room and breached the watertight integrity of the cargo hold.

Ice Details

Ice Briefing Received: Good Forewarning

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: Bergy bit

Longitude: 0 ° ' " W

Length:

Date of Observation:

Width:

Iceberg Tonnage:

Route Details

Geographic Area: Strait of Belle Isle and

Origin: Liverpool, NS

Collision Latitude: 53 ° 09 ' " N

Destination: Labrador Sea

Collision Longitude: 052 ° 11 ' " W

Distance:

Locale Accuracy: Known

Cargo at Event: Fishing

Voyage:

Displacement: 870

Draft FWD (m): 3.7

Captain's Experience: High

Radar Equipped?: Yes

Radar Details:

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