



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: Titanic	Prime Mover: Steam
Flag: UK	Transmission: Unknown
ASPPR Ice Class: Unknown	Power (kW): 41013
Lloyd's Class: Unknown	# Propellers: 3
Baltic Class: Unknown	Prop. Type: Screw Propeller
Vessel Type: Passenger	Service Speed: 23
Owner: White Star Line	Stern Form:
Registered Country: UK	Steel Grade: Unknown
Year of Manufacture: 1912	Miscellaneous Vessel Notes:
Bow Shape: Unknown	Sheer strake 1" + 1"
Stem Angle:	Waterline plate 1.0"
	Turn of Bilge 1.0"
	Bottom Plate 1.0".
Dimensions (m):	Mass (tonnes):
Length: 259.8	Gross: 46328
Beam: 28.2	Net: 21831
Depth: 10.54	Dead:

Collision Details

Date: 14-Apr-1912	Air Temperature:
Visibility (nautical miles):	Water Temperature:
Visibility: Limited	Wind Speed:
Visibility - Fog: Clear	Wave Height:
Visibility - Snow: Clear	Sea State: Unknown
Visibility - Light: Night	
Collision Speed: 22	
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. :
Scenario: Glancing Blow	Steel Failure Type: Brittle
Severity: Sinking	Size - Length (m): 90
Location: Bow	Size - Height (m):
Code: Plate	Damage Below WL (m): 7.5
Length of Downtime:	Damage Above WL - Height (m):
Cost of Downtime:	Damage Above WL - Length (m):
Cost to Repair:	
No. Lives Lost: 1503	
No. Injuries:	Cause of Deaths/Injuries: Fall to Deck
Cargo Loss: Yes	
Pollution: No	Pollution Potential: No

Cause of Damage:

Hit a berg at 11:40 pm in a clear night while attempting to avoid it at 22.5 knots trying to manoeuvre around berg and reversing engines.

Damage Description:

Sank in about 2½ hours from gashes in plating below waterline with huge loss of life. Gashes were 10' (3m) above the keel and intermittent for 300' (90m). Apparently some damage above waterline also. Survivors (703) in boats picked up by the "Carpathia"

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: Medium

Longitude: 0 ° ' " W

Length: 100

Date of Observation:

Width:

Iceberg Tonnage:

Route Details

Geographic Area: Grand Banks

Origin: Southampton

Collision Latitude: 41 ° 56 ' " N

Destination: New York

Collision Longitude: 050 ° 14 ' " W

Distance:

Locale Accuracy: Known

Cargo at Event:

Voyage:

Displacement: 54000

Draft FWD (m):

Captain's Experience: Unknown

Radar Equipped?: Unknown

Radar Details:

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