



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: Mohawk	Prime Mover: Steam
Flag: USA	Transmission: Geared
ASPPR Ice Class: Unknown	Power (kW):
Lloyd's Class: Unknown	# Propellers: 1
Baltic Class: Unknown	Prop. Type: Unknown
Vessel Type: Unknown	Service Speed: 9
Owner: United States Coast Guard	Stern Form:
Registered Country: USA	Steel Grade: Unknown
Year of Manufacture: 1935	Miscellaneous Vessel Notes:

Bow Shape: Unknown

Stem Angle:

Dimensions (m):

Length: 50.29
Beam: 10.97
Depth:

Mass (tonnes):

Gross: 1005
Net:
Dead:

USCG Cutter Mohawk WPG-78 (Coast Guard Gunboat) Designed for light ice-breaking and constructed with a reinforced belt at the waterline and a cutaway forefoot. They could break up to two feet of ice. They were also the first cutters with geared turbine drives. During WW2 was part of the Greenland Patrol. Decommissioned in 1947. Sold in 1948 as a pilot boat in Delaware River and now a floating museum.

Collision Details

Date: 20-Dec-1944

Visibility (nautical miles):

Visibility: Poor

Visibility - Fog: Unknown

Visibility - Snow: Unknown

Visibility - Light: Unknown

Collision Speed:

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Air Temperature:

Water Temperature:

Wind Speed:

Wave Height:

Sea State: Moderate



Damage Details

Damage Sustained: Yes	Damage Report No. :
Scenario: Glancing Blow	Steel Failure Type: Unknown
Severity: Hole	Size - Length (m):
Location: Hulls	Size - Height (m):
Code: Plate	Damage Below WL (m): 1.5
Length of Downtime: 2 months	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: Unknown

Cause of Damage:

Struck a large growler, which hit the ship five feet (1.5 m) below the waterline on the port side, centered at No. 1 and No. 2 magazines.

Damage Description:

The ship took about 100 gallons of water per hour in the magazines, which, however, could be controlled. About 18 plates were damaged and port frames from Nos. 16 and 22 were buckled. J.C. Carney: "Mo" was operating due west of Blue West Seven in poor visibility, yet moderate seas when, at [quote] 0454 [she] struck a large unseen growler dead ahead. 0455, stopped engine. 0457, No apparent damage to vessel. further examination to be made. increasing speed. . . . All seemed well and "Mo" regained

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

Latitude: 0 ° ' " N

Iceberg Size: Growler

Longitude: 0 ° ' " W

Length:

Date of Observation:

Width:

Iceberg Tonnage:

Route Details

Geographic Area: Greenland Sea

Origin: Greenland Patrol

Collision Latitude: 61 ° 10 ' " N

Destination:

Collision Longitude: 048 ° 15 ' " W

Distance:

Locale Accuracy: Estimated

Cargo at Event:

Voyage:

Displacement: 1005

Draft FWD (m): 3.73

Captain's Experience: Unknown

Radar Equipped?: Unknown

Radar Details:

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