



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: Finnpolaris | Prime Mover: Diesel |
| Flag: Bahamas | Transmission: Geared |
| ASPPR Ice Class: Type A | Power (kW): 7380 |
| Lloyd's Class: 100A1 | # Propellers: 1 |
| Baltic Class: 1ASuper | Prop. Type: Fixed Pitch (FP) |
| Vessel Type: Cargo - General | Service Speed: 15 |
| Owner: FCRS Shipping | Stern Form: |
| Registered Country: Spain | Steel Grade: Unknown |
| Year of Manufacture: 1981 | |

Bow Shape: Unknown

Stem Angle:

Dimensions (m):

Length: 159.1
Beam: 21.4
Depth: 12.6

Mass (tonnes):

Gross: 12385
Net: 6430
Dead: 14906

Miscellaneous Vessel Notes:

--Ship Characteristics are included in Norland Database
--Strengthened for Ore Cargoes
--Due to Tonnage Mark, another set of Masses exist (tons):
*-->GRT: 6762
*-->NET: 3495
*-->DWT: 8745
--Another DRAFT exists for these masses, 6.868m.
Chartered by Canarctic Shipping co

Collision Details

Date: 11-Aug-1991

Visibility (nautical miles): 0.5

Visibility: Poor

Visibility - Fog: Fog

Visibility - Snow: Unknown

Visibility - Light: Unknown

Collision Speed: 12

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

Air Temperature: 10

Water Temperature:

Wind Speed: 15

Wave Height:

Sea State: Rough



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Damage Details

| | |
|------------------------------|--|
| Damage Sustained: Yes | Damage Report No. : |
| Scenario: Unknown | Steel Failure Type: Unknown |
| Severity: Sinking | Size - Length (m): |
| Location: Bow | Size - Height (m): |
| Code: Hole | 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: 0 | |
| No. Injuries: 0 | Cause of Deaths/Injuries: Unknown |
| Cargo Loss: Yes | |
| Pollution: No | Pollution Potential: Yes |

Cause of Damage:

Hit iceberg at 1200Z at 12 knots 144 nm NW of Disko Island, Baffin Bay.

Damage Description:

Took water and sank at 0410Z next day. 19 persons on board abandoned the ship and were rescued by the "Sofia Theresa".. A film clip of sinking exists.

Ice Details

Ice Briefing Received: Ice Reports Receive

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: Baffin Bay Area

Origin: Nanisivik, Baffin Island

Collision Latitude: 71 ° 59 ' " N

Destination: Darrow, Louisiana

Collision Longitude: 059 ° 52 ' " W

Distance:

Locale Accuracy: Known

Cargo at Event: 11,996 tons zinc concentrate, 500 tonnes of heavy fuel oil.

Voyage:

Displacement:

Draft FWD (m): 8.88

Captain's Experience: Unknown

Radar Equipped?: Unknown

Radar Details:

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