



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: Exxon Valdez	Prime Mover: Diesel
Flag: USA	Transmission: Unknown
ASPPR Ice Class: Unknown	Power (kW): 24000
Lloyd's Class: Unknown	# Propellers:
Baltic Class: Unknown	Prop. Type: Unknown
Vessel Type: Oil Tanker (CC)	Service Speed: 16
Owner: Exxon	Stern Form:
Registered Country: USA	Steel Grade: Unknown
Year of Manufacture: 1986	Miscellaneous Vessel Notes:
Bow Shape: Unknown	Renamed SeaRiver Mediterranean Laid up in 2002
Stem Angle:	
Dimensions (m):	Mass (tonnes):
Length: 300.8	Gross:
Beam: 50	Net:
Depth: 20	Dead:

Collision Details

Date: 24-Mar-1989	Air Temperature: 0.5
Visibility (nautical miles): 10	Water Temperature:
Visibility: Reasonable	Wind Speed: 10
Visibility - Fog: Clear	Wave Height:
Visibility - Snow: Rain	Sea State: Unknown
Visibility - Light: Night	
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
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Damage Details

Damage Sustained: Yes	Damage Report No. :
Scenario: Collision with other object avoi	Steel Failure Type: Unknown
Severity: Hole	Size - Length (m):
Location: Hull and tanks	Size - Height (m):
Code: Plate	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:	Cause of Deaths/Injuries: Unknown
Cargo Loss: Unknown	
Pollution: Unknown	Pollution Potential: Unknown

Cause of Damage:

On leaving the Trans Alaska Pipeline terminal at Valdez at 9:12 pm, ship encountered icebergs in the shipping lanes and in trying to go around got outside the shipping lanes beyond the Valdez Narrows and went aground on Bligh Reef at 12:04 am.

Damage Description:

8 of 11 cargo tanks ruptured spewing 11 million gallons of oil stretching 460 miles causing one of the worst pollution disasters on record

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: Unknown

Longitude: 0 ° ' " W

Length:

Date of Observation:

Width:

Iceberg Tonnage:

Route Details

Geographic Area: Alaskan Waters

Origin: Valdez, Alaska

Collision Latitude: 60 ° 50 ' " N

Destination:

Collision Longitude: 146 ° 54 ' " W

Distance:

Locale Accuracy: Known

Cargo at Event: 53,094,510 gallons of crude oil.

Voyage:

Displacement: 211469

Draft FWD (m): 20

Captain's Experience: Unknown

Radar Equipped?: Unknown

Radar Details:

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