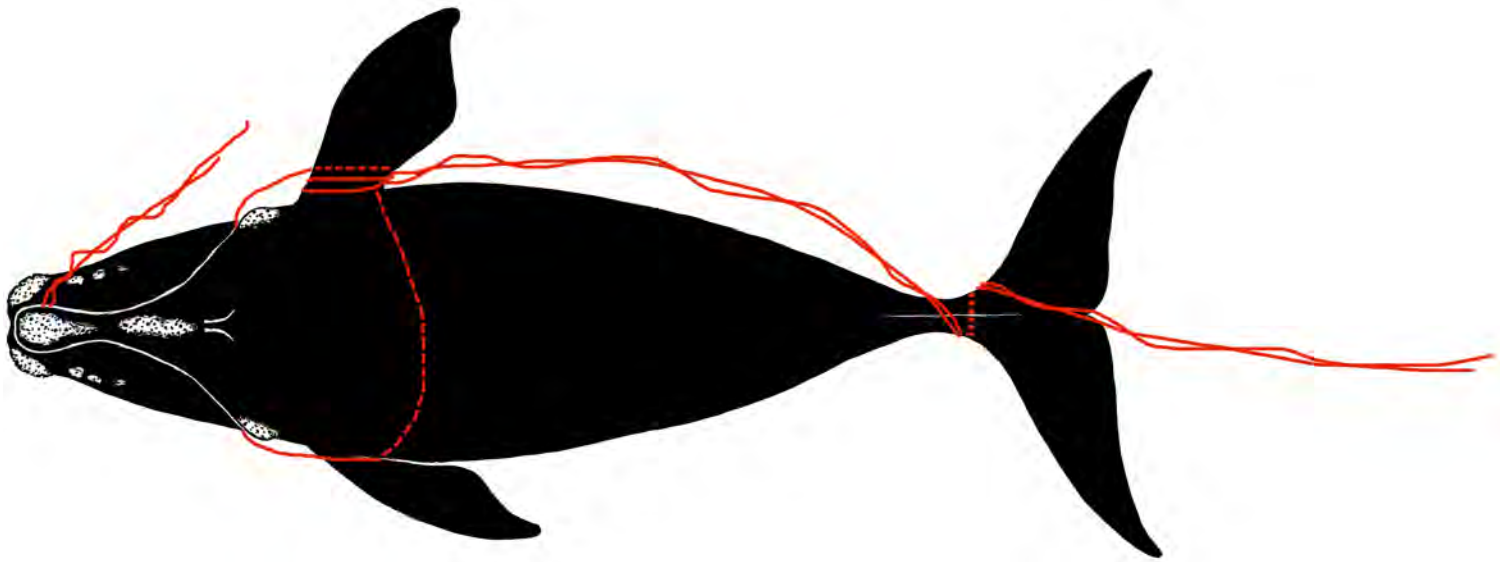
Species	Right Whale	Whale ID	Eg #1238

Date first observed entangled (date seen prior without gear)	25 Oct 2001 (25 Jun 2001)			
Sex	Male	Birth year	Unknown	Age at entanglement	20+

Case study ID	PCCS	NMFS	GEAR ID
			J102501 a-b
Gear sample collected?	Yes	Gear type	Danish Seine



Reproductive prior to/after entanglement detection?	Yes/No
Entanglement injury severity	Severe
Entanglement configuration risk	High

Wound severity	Mouth	Head/ Rostrum	Flippers	Body	Flukes
	Low	None	High	Medium	Medium

Duration of time carrying gear	Minimum 1 day, maximum 121 days
Disentangled?	No
Status	Dead 25 Oct 2001
Number of prior entanglement interactions	2

Entanglement configuration	Twisted line(s) entered the mouth and exited both sides at the gape; on the left side line passed over the flipper and under the chest to the right flipper; line exiting the right mouthline wrapped the flipper multiple times and lead to wraps at the peduncle.
Anchoring point(s)	Mouthline, flipper, peduncle
Gear configuration confidence	Moderate
Remaining questions	Unclear what was going on inside the mouth.
Comments	The assessment was based on observations at necropsy. By that time some gear may have been moved or removed. Animal may have drowned in gear.

Polymer type		Polysteel/Lead	Polysteel
Gear component			
Rope diameter (inches)		3/4 (0.787)	3/4 (0.768)
Breaking strength (lbs)	Tested	8 776	8 392
	New	11 500	11 500

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See: Knowlton, A.R., J. Robbins, S. Landry, H.A. McKenna, S.D. Kraus, T. B. Werner. 2015. Effects of fishing rope strength on the severity of large whale entanglements. Conservation Biology DOI: 10.1111/cobi.12590

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DATA SHEET

FORENSIC ANALYSIS OF ROPES
WHALE ENTANGLEMENT PROJECT

SPECIMEN ID NO. **NMFS NO.**

J102501 **E25-01**

Gear Description:
Typical of Danish seine gear used in Gulf of St. Lawrence where gear was recovered. The lines included polysteel float rope and polysteel with lead that had negative buoyancy. A short length of unwound polysteel strand was with the gear but not analyzed.

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Rope description:
J102501-a $^{3}/_{4}$ inch 3-strand polysteel with small lead core in each strand making it sinking with a specific gravity of 1.120. Moderate surface wear.

Tested (T) or adjusted (A) strength	Typical new strength	Rope condition
8,776 lbs (T)	11,500 lbs	Good

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J102501-b $^{3}/_{4}$ inch 3-strand polysteel with extensive surface wear.

Tested (T) or adjusted (A) strength	Typical new strength	Rope condition
8,392 lbs (T)	11,500 lbs	Fair

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