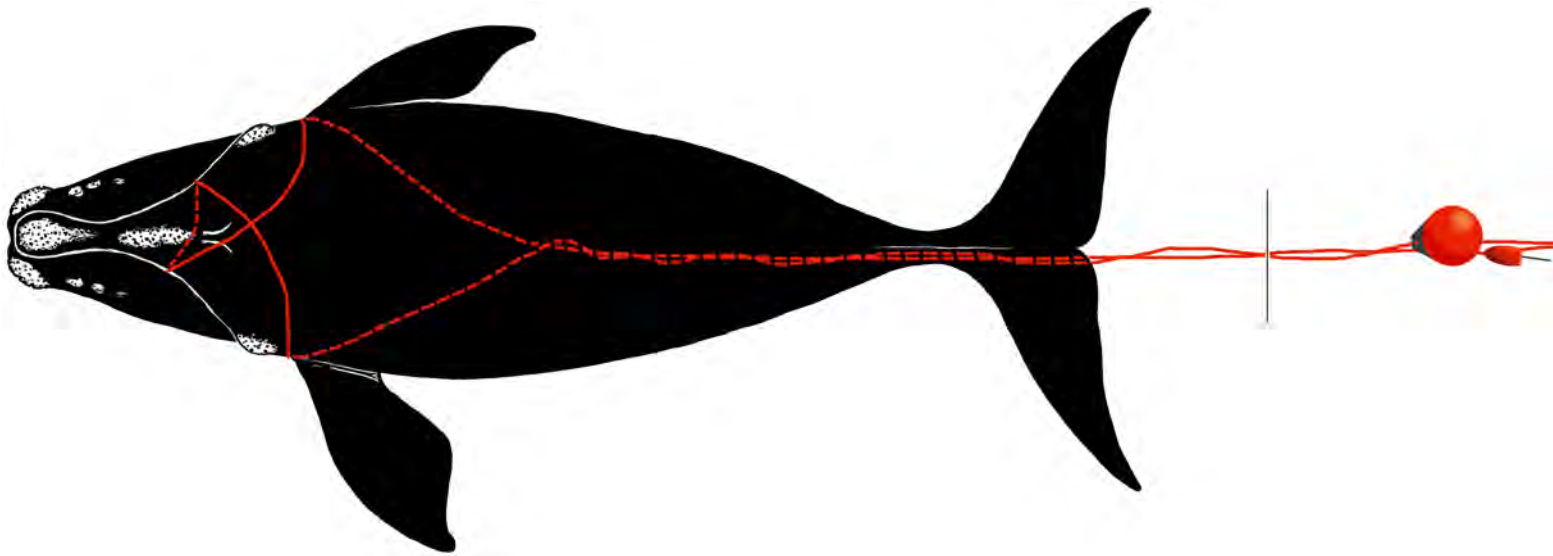


Species	Right Whale	Whale ID	Eg #3314
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Date first observed entangled (date seen prior without gear)		06 Dec 2004 (24 Sep 2004)	
Sex	Female	Birth year	2003
		Age at entanglement	2

Case study ID	PCCS	NMFS	GEAR ID
	WR-2004-19	E26-04	J120604 a-c
Gear sample collected?	Yes	Gear type	Lobster



Reproductive prior to/after entanglement detection?		No/ No			
Entanglement injury severity		Moderate			
Entanglement configuration risk		High			
Wound severity	Mouth	Head/ Rostrum	Flippers	Body	Flukes
	Medium	Medium	Unknown	Medium	Medium
Duration of time carrying gear		Minimum 9 days, maximum 96 days			
Disentangled?		Yes - 31 Dec 2004			
Status		Alive - Last sighted in 2014			
Number of prior entanglement interactions		1			

Entanglement configuration	Line through mouth with both halves crossing over head and down to forward insertion of flippers; line twists together beneath the whale and trails over ~400ft to balloon float and bullet buoy.
Anchoring point(s)	Mouthline
Gear configuration confidence	High
Remaining questions	None
Comments	Entanglement remarkably symmetrical

Polymer Type		Polysteel	Polysteel	PP/PET/Lead
Gear Component		Vertical	Vertical	Vertical
Rope Diameter (inches)		7/16 (0.413)	3/8 (0.374)	3/8 (0.394)
Breaking Strength (lbs)	Tested	2 431	2 592	2 000
	New	4 100	3 400	2 000

This case study was developed under NOAA Award # NA09NMF4520413 to the Consortium for Wildlife Bycatch Reduction, administered at the New England Aquarium, Boston, MA, USA (available at www.bycatch.org). 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



21 Dec 2004-WT



21 Dec 2004-WT



30 Dec 2004-WT

DATA SHEET

FORENSIC ANALYSIS OF ROPES WHALE ENTANGLEMENT PROJECT

SPECIMEN ID NO.

J120604

NMFS NO.

E26-04

Gear Description:

Identified as lobster end line buoy mooring. Contained 3 lines, 2 Polysteel 3-strand and one lead line (very short length present)



Rope descriptions:

J120604-a $\frac{7}{16}$ inch white Polysteel 3-strand with one blue marker yarn in one strand. 10 rope yarns per strand. Float rope.

Tested (T) or adjusted (A) strength	Typical new strength	Rope condition
2,431 lbs (T)	4,100 lbs	Good



J120604-a

J120604-b $\frac{3}{8}$ inch pale blue Polysteel 3-strand with one orange marker yarn in one strand. 11 rope yarns per strand. Float rope.

Tested (T) or adjusted (A) strength	Typical new strength	Rope condition
2,592 lbs (T)	3,400 lbs	Good



J120604-b

J040901-c $\frac{3}{8}$ inch diameter 12 strand braided leadline with braid over a 0.21 diameter core containing lead wire. Braid consisted of 4 strands black mono polypropylene, 4 strands green mono polypropylene and 4 strands of white multi polyester. This was tucked into the end line at intervals to keep it from floating at the surface.

Tested (T) or adjusted (A) strength	Typical new strength	Rope condition
2,000 lbs (T)	2,000 lbs	Very good



J120604-c