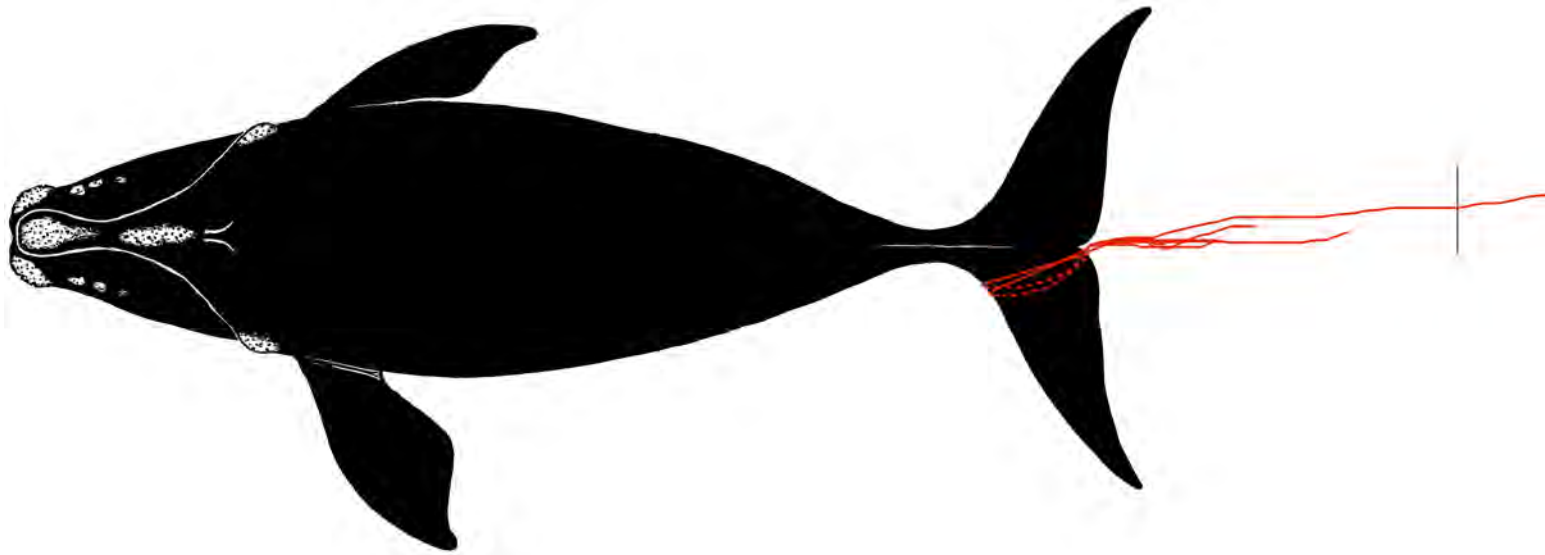


Species	Right Whale	Whale ID	2470
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Date first observed entangled (date seen prior without gear)		13 May 2010 (24 Jan 2010)			
Sex	Male	Birth year	Unknown	Age at entanglement	17+

Case study ID	PCCS	NMFS	GEAR ID
	WR-2010-03		J051310
Gear sample collected?	Yes	Gear type	



Reproductive prior to/after entanglement detection?					
Entanglement injury severity		Severe			
Entanglement configuration risk		High			
Wound severity	Mouth	Head/ Rostrum	Flippers	Body	Flukes
	None	None	None	Unknown	High
Duration of time carrying gear		Minimum 1 day, maximum 106 days			
Disentangled?		Yes - 13 May 2010			
Status		Alive - Last sighted in 2013			
Number of prior entanglement interactions		4			

Entanglement configuration	One continuous piece of line wrapping the left fluke blade twice and trailing aft of the flukes by ~130feet
Anchoring point(s)	Flukes
Gear configuration confidence	High
Remaining questions	
Comments	Line was configured in such a way that the drag of the trailing line kept the fluke wraps tight even as the leading and trailing edges of the flukes eroded.

Polymer Type	Polysteel	
Gear Component		
Rope Diameter (inches)	5/8 (0.652)	
Breaking Strength (lbs)	Tested	6 480
	New	9 000

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



13 May 2010 NEFSC



13 May 2010 NMFS



13 May 2010 PCCS



13 May 2010 NEFSC

DATA SHEET

FORENSIC ANALYSIS OF ROPES WHALE ENTANGLEMENT PROJECT

SPECIMEN ID NO.

J051310rw

NMFS NO.

E04-10

Gear Description:

The gear is as seen in the photos below. Algae growth on much of it. Tangling and some severe damage. Some cuts and knots noted by recovery team.





Rope description:

J051310-1: Line was $\frac{5}{8}$ inch white polysteel but measured slightly undersized. There were 18 yarns per strand. The line was soft. An orange tracer is in one strand. Condition was fair overall but some areas showed severe damage.

Tested (T) or adjusted (A) strength	Typical new strength	Rope condition
6,480 lbs (T)	9,000 lbs	Fair