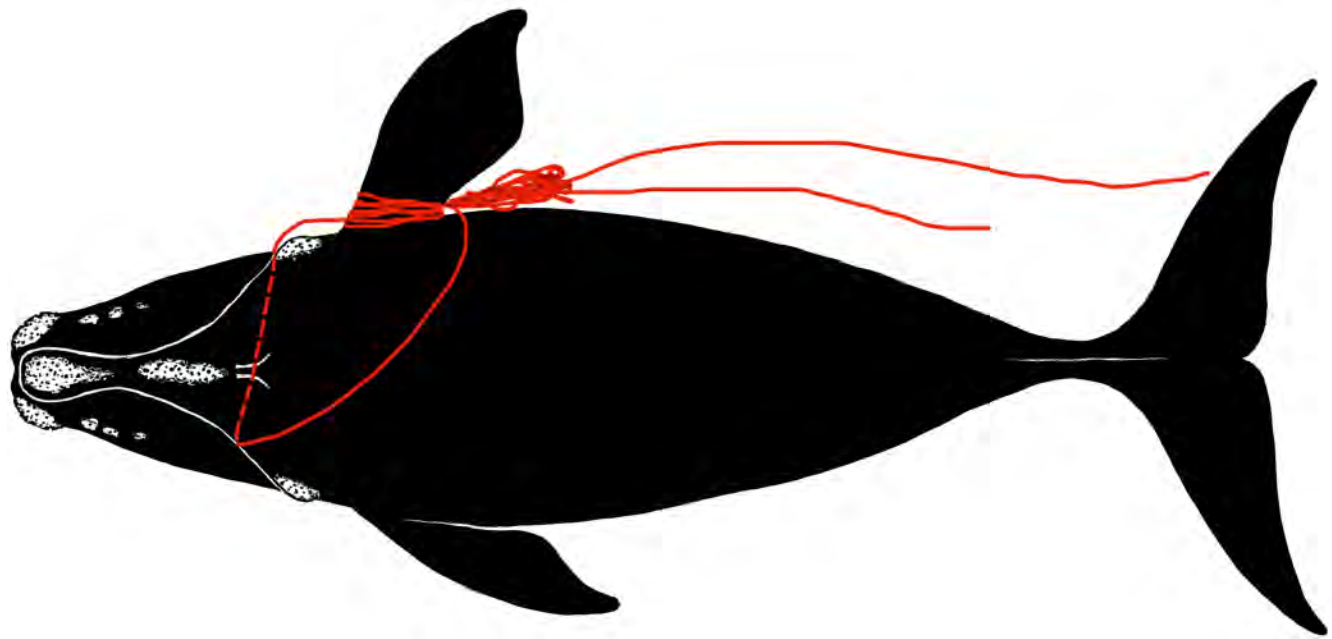
Species	Right Whale	Whale ID	Eg #2366

Date first observed entangled (date seen prior without gear)	23 Dec 1993 (22 Aug 1993)		
Sex: Male	Birth year: 1993	Age at entanglement: 0	

Case study ID	PCCS	NMFS	GEAR ID
			J071795 a-d
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
	Low	Low	High	Low	None
Duration of time carrying gear	Minimum 573 days, maximum 693 days				
Disentangled?	No				
Status	Dead 17 Jul 1995				
Number of prior entanglement interactions	0				

Entanglement configuration	Whale free-swimming; line through mouth leading to many tight wraps of the right flipper
Anchoring point(s)	Mouthline, flipper
Gear configuration confidence	Moderate
Remaining questions	Length of trailing line unknown
Comments	Whale seen alive but full extent of entanglement was not understood; gear was removed from carcass.

Polymer Type		PP	PP	PP	Polypro/PET
Gear Component					
Rope Diameter (inches)		3/8 (0.366)	3/8 (0.354)	3/8 (0.358)	1/4 (0.283)
Breaking Strength (lbs)	Tested	1 215	974	1 538	983
	New	2 430	2 430	2 430	1 200

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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

26 Sep 1994 NEA

17 Jul 1995 NEA

17 Jul 1995 NEA

17 Jul 1995 NEA

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DATA SHEET

FORENSIC ANALYSIS OF ROPES
WHALE ENTANGLEMENT PROJECT

SPECIMEN ID NO. **NMFS NO.**

J071795 **E (**no analysis)

Gear Description:
Black (a), green (b) and blue (c) are $^{3}/_{8}$ inch PP mono and there were long lengths of each. Specimen (d) was $^{1}/_{4}$ inch black PP laid in parallel with PET and had a wooden handle in an eye on one end.

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Rope description:
Black (a), green (b) and blue (c) lines are $^{3}/_{8}$ inch PP mono. The blue specimen has a red (faded) marker yarn in one strand. All show signs of use, faded colors and some surface abrasion. The black specimen (a) is severely and permanently kinked, and there is a cut strand which is visible bottom center in the photo. All have 4 rope yarns per strand.

A

Tested (T) or adjusted (A) strength	Typical new strength	Rope condition
1,215 lbs (T)	2,430 lbs	Fair

J071795-a Note kinks and cut at bottom of photo.

B

Tested (T) or adjusted (A) strength	Typical new strength	Rope condition
974 lbs (T)	2,430 lbs	Poor

C

Tested (T) or adjusted (A) strength	Typical new strength	Rope condition
1,538 lbs (T)	2,430 lbs	Fair

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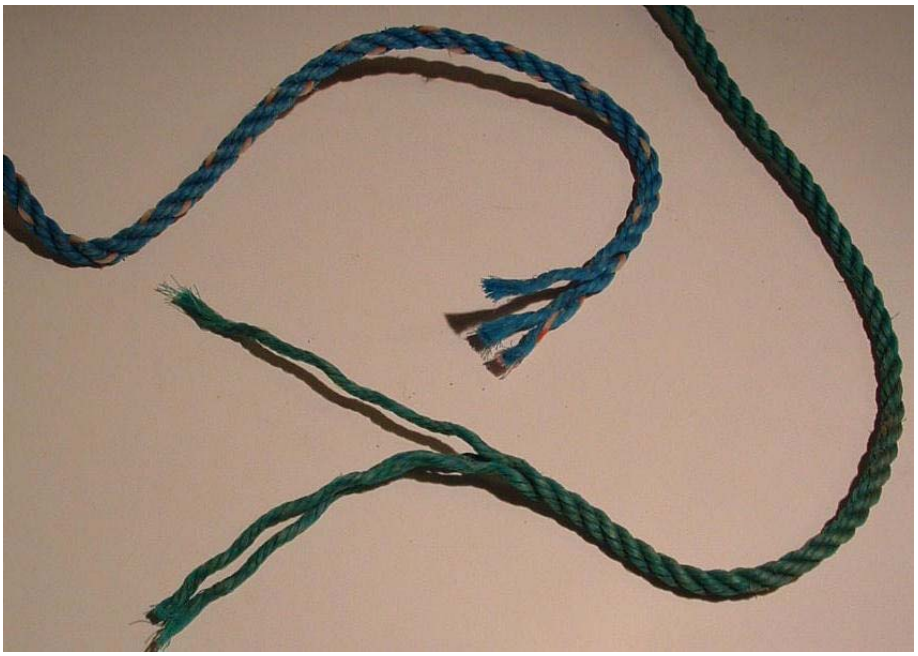

J071795-b-c

Specimen (d) is $^{1}/_{4}$ black PP laid in parallel with PET. The line displays moderate surface abrasion. It is severely and permanently kinked. The cut strand is visible in the photo.

D

Tested (T) or adjusted (A) strength	Typical new strength	Rope condition
983 lbs (T)	1,900 lbs	Poor

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