Date first observed entangled			19 Jan 2000	
	(date seen prior	r without gear)	(12 Sep 1999)	
	Sex Female	Birth year	1997	Age at entanglement 3

Species Right Whale

Case study ID	PCCS	NMFS	GEAR ID
		E2-00	
Gear sample collected?	No	Gear type	

No drawing available No images available

Reproductive prior	No				
Reproductive af	No				
	Entangle	ment severity	Severe		
Wound severity	Mouth	Head/ Rostrum	Flippers	Body	Flukes
	Unknown	Unknown	Unknown	High	Unknown
Duration of time	Minimum 1 d	ay, maximum	128 days		
I	No				
	Dead				
Number of prior entangleme	nt interactions	1			

Entanglement configuration	Several lines wrapped around body of floating carcass.
Anchoring point(s)	Body
Gear configuration confidence	Low
Remaining questions	Uncertain of all anchoring points, amount of trailing line.
Comments	Only video of carcass which made a careful assessment
	difficult. Carcass was unable to be retrieved.

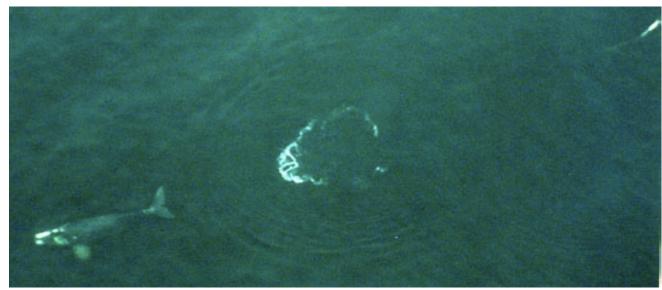
Date first obser	ved entangled	01 Mar 2000		
(date seen prior without gear)		(19 Aug 1999)		
Sex Male	Birth year	Unknown	Age at entanglement	21+

Whale ID Eg #1130

Case study ID	PCCS	NMFS	GEAR ID
Gear sample collected?	No	Gear type	

Reproductive prior					
Reproductive at	ter entangleme	ent detection?			
	Entangle	ment severity	Severe		
Wound severity	Mouth	Head/ Rostrum	Flippers	Body	Flukes
	Unknown	None	High	None	Medium
Duration of time	Minimum 1 d	ay, maximum	194 days		
	No				
	Presumed de	ead - Last sigh	nted in 200	00	
Number of prior entangleme	1				

Entanglement configuration	Several body lengths of line trailing left flipper. White in
	color so believe gear was tightly wrapped on left flipper.
Anchoring point(s)	Flipper
Gear configuration confidence	Low
Remaining questions	Trailing line between whale and buoy was deep and may have been weighted down by gear.
Comments	No drawing done because configuration of gear is uncertain.



01 Mar 2000 PCCS



01 Mar 2000 PCCS

Date first obser	ved entangled	27 Mar 2000	
(date seen prior without gear)		(20 Aug 1999)	
Sex Male	Birth vear	Unknown	Age at entanglement 20+

Species Right Whale

Coop attended ID	PCCS	NMFS	GEAR ID
Case study ID			
Gear sample collected?	No	Gear type	

Reproductive prior					
Reproductive af	ter entangleme	ent detection?			
	Entangle	ment severity	Severe		
Wound severity	Mouth	Head/ Rostrum	Flippers	Body	Flukes
	None	None	High	None	Medium
Duration of time	Minimum 932	2 days, maxim	num 1132 (days	
	No				
	Alive - Last s	een in 2015			
Number of prior entangleme	3				

Entanglement configuration	Single line with buoy attached trailing ~ 50 feet behind flukes. Line was tightly wrapped around left flipper
Anchoring point(s)	Flipper
Gear configuration confidence	Low
Remaining questions	Image of left flipper with line tightly wrapped around it was obtained 2.5 years after the first sighting. It was difficult to determine from the image if any line was trailing.
Comments	Gear was eventually shed.



08 May 2000 NMFS





26 Sep 2002 NEA



Date first obser	ved entangled	31 May 2000	
(date seen prior without gear)		(13 Sep 1990)	
Sex Male	Birth year	Unknown	Age at entanglement 14+

Species Right Whale

Casa study ID	PCCS	NMFS	GEAR ID
Case study ID			
Gear sample collected?	No	Gear type	

Reproductive prior					
Reproductive af	ter entangleme	ent detection?			
	Entangle	ment severity	Minor		
W	Mouth	Head/ Rostrum	Flippers	Body	Flukes
Wound severity	Low	None	Unknown	None	Low
Duration of time	Minimum 20	days, maximu	ım 2087 d	ays	
	No				
	Alive - Last s	ighted in 2016	3		
Number of prior entangleme	1				

Entanglement configuration	Single rope exiting right side of mouth and trailing about 80-90 feet behind flukes. bitter end seen exiting about 2 feet out of left side of mouth.
Anchoring point(s)	Mouth
Gear configuration confidence	High
Remaining questions	None
Comments	Gear eventually shed



20 Jun 2000 NMFS



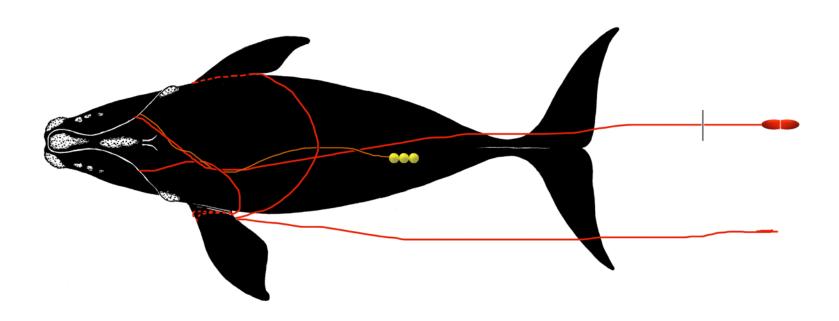
20 Jun 2000 NMFS



20 Jun 2000 NMFS

Specie	s Right Wh	ale	Wh	Whale ID Eg #2746		
Date first observed entangled (date seen prior without gear) (14 Sep 19						
Sex Female	Birth year	1997		Age	at entanglement	3

Case study ID	PCCS	NMFS	GEAR ID
Case study ID		E18-00	
Gear sample collected?	Yes	Gear type	



Reproductive prior	No				
Reproductive af	Yes				
	Entangle	ment severity	Minor		
Wound severity	Mouth	Head/ Rostrum	Flippers	Body	Flukes
	Low	None	Low	Low	Low
Duration of time	Minimum 3 days, maximum 308				
	Yes - 15 Jul 2	2000			
	Alive - Last sighted in 2015				
Number of prior entangleme	1				
Duration of time	Head/ Rostrum None Minimum 3 d Yes - 15 Jul 2 Alive - Last s	Flippers Low ays, maximur 2000	Low n 308		

Entanglement configuration	Line exits both sides of the mouthline and twists together behind head; lines from this area lead to: two, joined bullet buoys trailing ~120 feet aft of the flukes; a series of three hard buoys aft of mid-body; a body wrap anchored between the flippers with a bitter end trailing ~20 feet aft of flukes
Anchoring point(s)	Mouthline and likely flipper(s)
Gear configuration confidence	High
Remaining questions	Wraps presumed at left flipper; unclear if line on left side wraps left flipper and/or enters left mouthline.
Comments	Gear was removed in stages over two weeks; remaining gear was shed soon after. Gear sent to DFO for analysis, no rope testing possible.



15 Jul 2000 NEA



15 Jul 2000 NEA



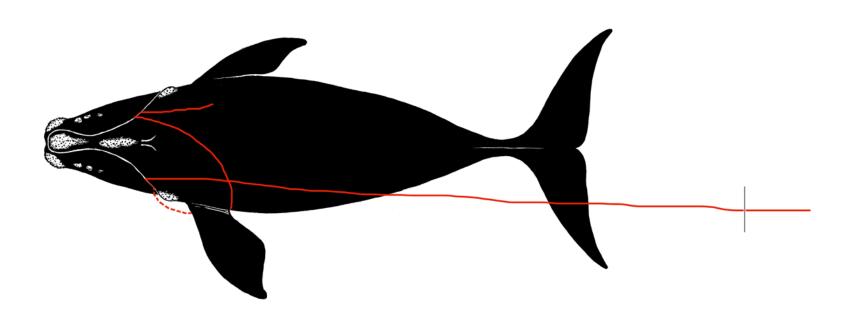
15 Jul 2000 NEA



12 Jul 2000 NEA

		•		
Date first observed entangled			25 Jul 2000	
	(date seen prior without gear)		(07 Apr 2000)	
ĺ	Sex Female	Birth year	1992	Age at entanglement 8

Coop atual LD	PCCS	NMFS	GEAR ID
Case study ID		E24-00	J081800
Gear sample collected?	Yes	Gear type	



Reproductive prior to/af	No/Yes				
[Moderate				
Enta	anglement con	figuration risk	High		
Wound severity	Mouth	Head/ Rostrum	Flippers	Body	Flukes
	Medium	Medium	None	Low	Medium
Duration of time	Minimum 280 days, maximum 425 days				
	Yes				
_	Alive - Last sighted in 2016				
Number of prior entangleme	nt interactions	5			

Entanglement configuration	One continuous piece of line entered and exited right mouthline, leading over body to left flipper; line then lead into and out of left mouthline, trailing to ~200feet aft of the flukes.
Anchoring point(s)	Mouthline
Gear configuration confidence	Low
Remaining questions	Unclear if flippers were wrapped at time of first sighting.
Comments	

Polymer type		Polysteel
Gear component		Vertical line
Rope diameter (inches)		1/2
Breaking	Tested	4 838
strength (lbs)	New	5 000



02 Feb 2001 PCCS



04 Feb 2001 PCCS



04 Feb 2001 PCCS

FORENSIC ANALYSIS OF ROPES WHALE ENTANGLEMENT PROJECT

SPECIMEN ID NO. NMFS NO.

J081800 E24-08

Gear Description:

Long length of line - probably end line for trap gear.

Similar construction and surface wear pattern to J082500 except that was $^9/_{16}$ inch diameter. Note recovery dates are only separated by 5 days.



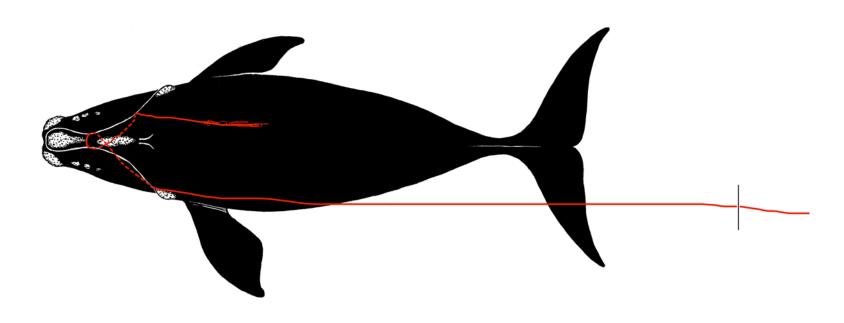
Rope description: $^{1}/_{2}$ inch diameter 3-strand pale blue Polysteel fribulated filament with 12 rope yarns per strand.

Tested (T) or adjusted (A) strength	Typical new strength	Rope condition
4,838 lbs (T)	3,780 lbs	Good



	Species Right Whale		Wha	ale ID	Eg #1102		
	ate first observed date seen prior w						
Sex	Male	Birth year	Unknown		Age	at entanglement	22+

Coop study ID	PCCS	NMFS		GEAR ID
Case study ID		E06-0	1	J060801
Gear sample collected?	Yes	Gear type	Unknow	'n



Reproductive prior to/af	Yes/No				
	injury severity	Severe			
Ent	anglement con	figuration risk	High		
Wound coverity	Mouth	Head/ Rostrum	Flippers	Body	Flukes
Wound severity	Low	High	Unknown	Low	Medium
Duration of time	carrying gear	Minimum 100 days, maximum 1 136 days			
	No				
	Dead 16 Sep 2001				
Number of prior entangleme	nt interactions	1			

Entanglement configuration	Single rostrum wrap with lines exiting right and left mouthline to 35 feet aft of the flukes and mid-back.
Anchoring point(s)	Mouthline
Gear configuration confidence	High
Remaining questions	None
Comments	Addition of drag from a telemetry buoy to the left line shortened the right line but this was hindered by knots near the bitter end.

Polymer type		PP/Lead
Gear component		
Rope diameter (inches)		3/4 (0.7848)
Breaking	Tested	7 639
strength (lbs)	New	7 650



09 Jun 2001 PCCS



09 Jun 2001 PCCS



10 Jul 2001 PCCS





06 Aug 2001 NMFS



FORENSIC ANALYSIS OF ROPES WHALE ENTANGLEMENT PROJECT

SPECIMEN ID NO. NMFS NO.

J060801 E6-01

Gear Description:

Polypro line with lead making it sinking, 36 ft long as seen in photo.



Rope description:

³/₄ inch blue-green PP with tiny orange marker and 1.8mm dia. lead wire core. Specific gravity of 1.15 makes this a rope that sinks readily even though the fiber is buoyant. The lead core has broken into small segments, probably due to rope usage over haulers and/or sheaves.

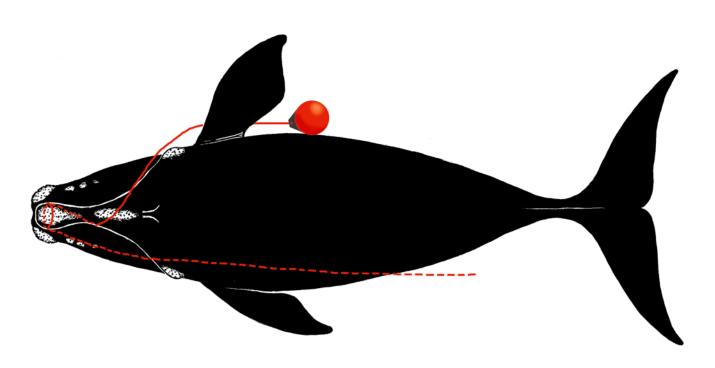
Tested (T) or adjusted (A)	Typical new strength	Rope condition
strength		
7,639 lbs (T)	7,500 lbs	Moderate



3-strand rope with 19 yarn ends per strand and lead core in center of each strand. Broken core segments seen in photo.

Date first obser	ved entangled	20 Jul 2001		
(date seen prior without gear)		(17 Mar 2001)		
Sex Male	Birth year	1994	Age at entanglement	7

Cana atudy ID	PCCS	NMFS		GEAR ID
Case study ID		E09-01	1	J072001 a-b
Gear sample collected?	Yes	Gear type	Lobster	offshore



Reproductive prior to/af	ent detection?				
E	injury severity	Severe			
Enta	anglement con	figuration risk	High		
Wound opposite	Mouth	Head/ Rostrum	Flippers	Body	Flukes
Wound severity	Medium	High	Unknown	None	Medium
Duration of time	carrying gear	Minimum 1 d	ay, maximum	211 days	
	Yes - 20 Jul 2	2001			
	Alive - Last s	ighted in 2014	4		
Number of prior entangleme	nt interactions	4			

	Single rostrum wrap with line exiting left mouthline, over rostrum and leading to a balloon float at right flipper. Line did not appear to wrap flipper; line exiting left mouthline was not documented.
Anchoring point(s)	Mouthline
Gear configuration confidence	High
Remaining questions	Nature of bitter end (dashed line)
Comments	Baleen pulled from mouth

Polymer Type		PP/PET	Polysteel
Gear Component		Surface system	Surface system
Rope Diameter (inches)		9/16 (0.575)	5/8 (0.685)
Breaking Tested		2 029	4 339
Strength (lbs)	New	5 000	9 000







28 Jul 2001 PCCS 20 Jul 2001 PCCS 28 Jul 2001 PCCS







FORENSIC ANALYSIS OF ROPES WHALE ENTANGLEMENT PROJECT

NMFS NO. SPECIMEN ID NO.

J072001 E9-01

Gear Description:

Part of mooring gear for a high flyer marker buoy system. The smaller line was PP/PET combo rope and the larger was 3-strand polysteel. Because of its short length no specimen was taken for the polysteel line.



Rope description: J072001-a $^9/_{16}$ inch 3-stand PP/PET combo rope. Line relatively small but closer to $^9/_{16}$ than $^1/_2$ inch.

Tested (T) or adjusted (A)	Typical new strength	Rope condition
strength		
2,029 lbs (T)	5,000 lbs	Fair

J072001-b $^5/_8$ inch Polysteel 3-strand rope. Line relatively large but closer to $^5/_8$ than $^3/_4$ inch.

Tested (T) or adjusted (A)	Typical new strength	Rope condition
strength		
4,339 lbs (T)	9,000 lbs	Fair

Date first obser	ved entangled	13 Sep 2001		
(date seen prior without gear)		(24 Jul 2000)		
Sex Male	Birth year	Unknown	Age at entanglement	6+

Whale ID Eg #3040

Coop study ID	PCCS	NMFS	GEAR ID
Case study ID			
Gear sample collected?	No	Gear type	

Reproductive prior					
Reproductive af					
	Entangle	ment severity	Low		
Wound coverity	Mouth	Head/ Rostrum	Flippers Body		Flukes
Wound severity	Low	Low	Unknown None		Low
Duration of time	carrying gear	Minimum 280	days, maxim	num 695	
	P No				
	Alive - last sighted in 2016				
Number of prior entangleme	0				

Entanglement configuration	Short length of rope seen under left flipper and along left body. May have originated from right side of mouth.
Anchoring point(s)	Mouth
Gear configuration confidence	Moderate
Remaining questions	Not certain if rope also exited left mouth
Comments	

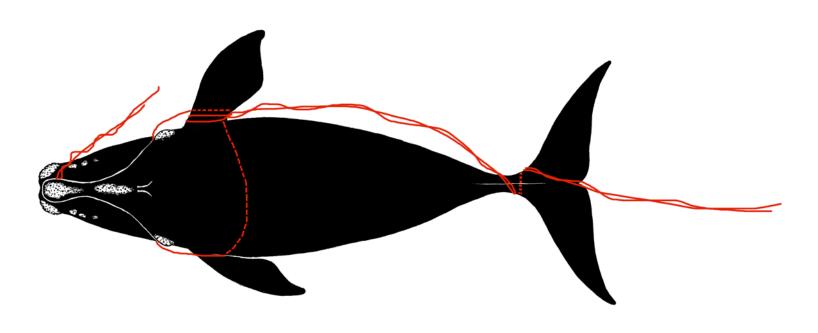


13 Sep 2001 NEA

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

Species Right Whale

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



Reproductive prior to/af	Yes/No				
E	Severe				
Ent	anglement con	figuration risk	High		
Wound severity	Mouth	Head/ Rostrum	Flippers Body F		Flukes
	Low	None	High Medium		Medium
Duration of time	carrying gear	Minimum 1 day, maximum 121 days			
	No				
	Dead 25 Oct 2001				
Number of prior entangleme	nt 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
G	ear component		
Rope diameter (inches)		3/4 (0.787)	3/4 (0.768)
Breaking Tested		8 776	8 392
strength (lbs)	New	11 500	11 500



11 Nov 2001 DFO



11 Nov 2001 DFO



11 Nov 2001 DFO



11 Nov 2001 DFO

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.

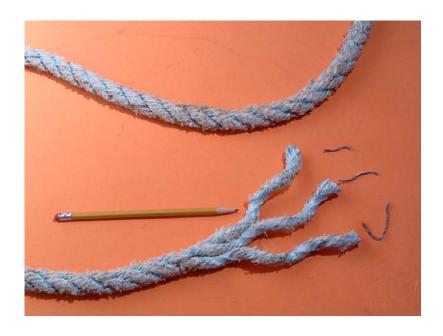






Rope description: J102501-a $^3/_4$ inch 3-strand polysteel with small lead core in each strand making it sinking with a specific gravity of 1.120. Moderate surface wear.

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



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

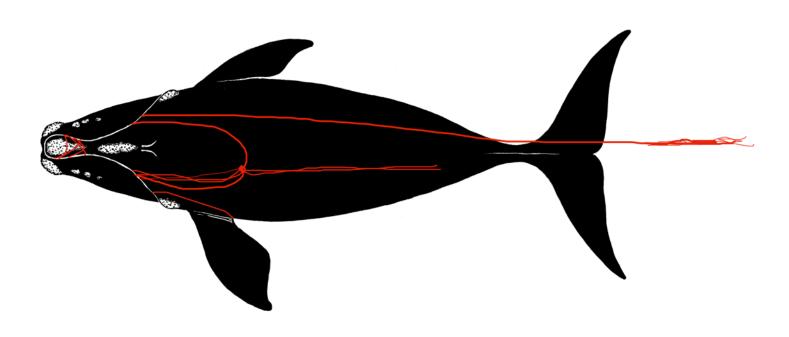
Tested (T) or adjusted (A)	Typical new strength	Rope condition
strength		
8,392 lbs (T)	11,500 lbs	Fair



	D	ate first obser	ved entangled	12 Feb 2002		
	(date seen prior without gear)		(17 Sep 2001)			
ĺ	Sex	Male	Birth year	1980	Age at entanglement	22

Species Right Whale

Casa study ID	PCCS	NMFS	GEAR ID
Case study ID	WR-2002-01	E02-02	
Gear sample collected?	No	Gear type	



Reproductive prior to entanglement detection?					
Reproductive after entanglement detection?					
	Entangle	ment severity	Severe		
Wound coverity	Mouth	Head/ Rostrum	Flippers	Body	Flukes
Wound severity	Low	High	Medium	None	Medium
Duration of time carrying gear		Minimum			
Disentangled?		No			
Status		Dead - 25 Ma	ar 2007		
Number of prior entangleme	nt interactions	1			

Entanglement configuration	Multiple lines (or unlaid line) wrapping upper jaw four times, exiting mouth to loop of line(s) on back; bitter end exiting right mouth trailed to just aft of flukes.
Anchoring point(s)	Mouthline
Gear configuration confidence	Low
Remaining questions	Line exiting lower lip leads to unknown area (may wrap under chest to right mouth or wrap left flipper and reenter left mouth); considering amount of line entering mouth, internal configuration remained unknown but presumed complex.
Comments	This entanglement persisted for five years with significant shedding of line including all but one wrap at jaw. The carcass of this whale, with its entanglement remaining, was discovered on 3/25/2007, cause of death could not be determined.



12 May 2002 NEFSC



18 Jun 2002 NEFSC



15 Sep 2004 NEA



15 Sep 2004 NEA

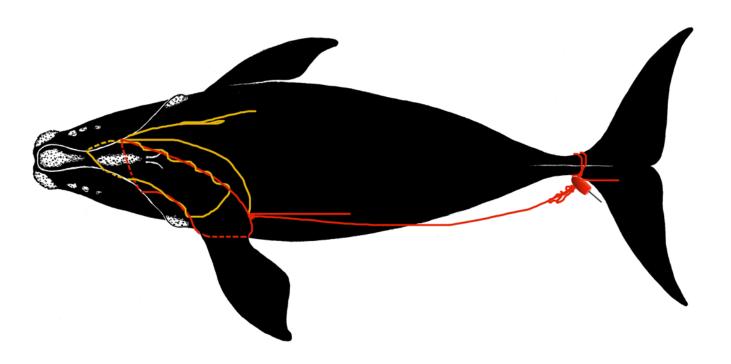


23 Mar 2007 DFO

			·
Date first obse	rved entangled	07 Apr 2002	
(date seen prior without gear)		(23 Sep 2001)	
Sex Male	Birth year	2001	Age at entanglement 1

Species Right Whale

Coop study ID	PCCS	NMFS	GEAR ID
Case study ID	WR-2002-04	E07-02	J040702 a-c
Gear sample collected?	Yes	Gear type Lobster inshore	



Reproductive prior to/after entanglement detection?					
Entanglement injury severity			Moderate		
Enta	inglement con	figuration risk	High		
Mound coverity	Mouth		Flippers	Body	Flukes
Wound severity	Medium	Medium	Unknown	Low	Medium
Duration of time carrying gear		Minimum 433 days, maximum 808 days			
Disentangled?		Yes, partially - 24 Aug 2002			
Status		Alive - Last sighted in 2015			
Number of prior entangleme	nt interactions	1			

Entanglement configuration	Very complex and changed substantially over time; at worst whale had tight rostrum wrap and tight wrap behind head anchored by the right mouthline and left flipper; line trailed along flank to wraps and buoy at peduncle.
Anchoring point(s)	Rostrum, mouthline, flipper, peduncle
Gear configuration confidence	Moderate
Remaining questions	Unclear if either flipper was truly wrapped.
Comments	Peduncle wrap was removed during disentanglement and remaining gear was shed by the whale over time.

Polymer type		PP	PP	Polypro/PET
Gear component				
Rope diameter (inches)		5/16 (0.323)	3/8 (0.402)	3/8 (0.390)
Breaking	Tested	1 726	1 811	1 580
strength (lbs)	New	1 700	2 430	2 600



07 Apr 2002 PT





21 Aug 2002 NEA

21 Aug 2002 NEA



21 Aug 2002 NEA

FORENSIC ANALYSIS OF ROPES WHALE ENTANGLEMENT PROJECT

SPECIMEN ID NO.

NMFS NO.

J070402 E7-02

Gear Description:

Lobster gear as seen in photo. There are 3 lines attached to a lobster buoy. A small. Loosely laid, 3-strand PP mono line was knotted in line (c).



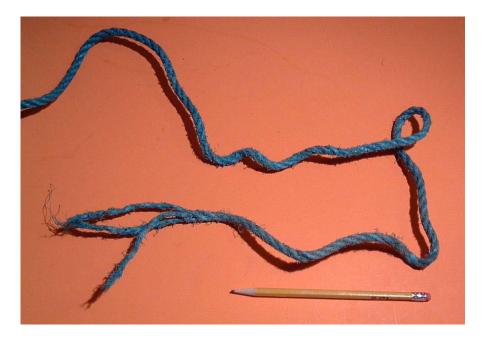


Sinking line (c) is connected to the buoy and then knotted to line (b). Line (a) is joined to (b) by a knot. Line (c) displays a tensile break (lower center of photo).

Rope description:

J070402 –a: ⁵/₁₆ inch 3-stand green PP mono knotted to line (c). End displayed a tensile failure and length leading up to this end displayed extensive surface abrasion. 3 rope yarns per strand.

Tested (T) or adjusted (A)	Typical new strength	Rope condition
strength		
1,726 lbs (T)	1,700 lbs	Fair



070402 –b: $\,^{3}\!/_{8}$ inch 3-strand PP mono, purple, blue and orange. One end showed a tensile break

Tested (T) or adjusted (A) strength	Typical new strength	Rope condition
1,811 lbs (T)	2,430 lbs	Good



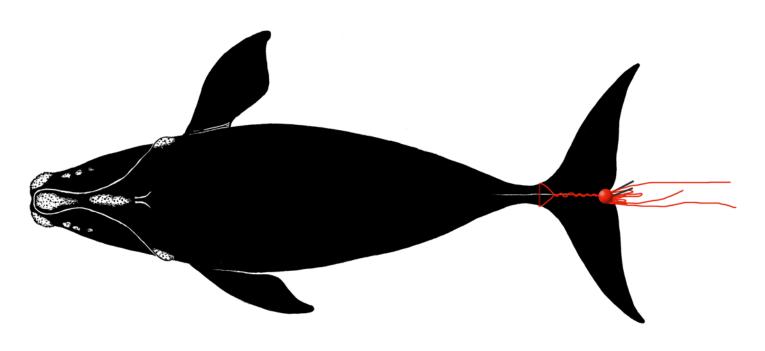
070402 –c: This is a $^3/_8$ inch PP/PET combo sinking line. PET is wrapped around blue mono poly in each rope yarn.

is the control of the		
Tested (T) or adjusted (A)	Typical new strength	Rope condition
strength		
1.580 lbs (T)	2.600 lbs	Poor



•		·		
	Date first observed entangled		06 Jul 2002	
	(date seen prior without gear)		(08 Dec 2001)	
	Sex Female	Birth year	2001	Age at entanglement 1

Case study ID	PCCS	NMFS	GEAR ID
	WR-2002-12	E15-02	J070602
Gear sample collected?	Yes	Gear type Lobste	r inshore



Reproductive prior to/after entanglement detection?			No/ No		
Entanglement injury severity			Severe		
Entanglement configuration risk		High			
Wound severity	Mouth	Head/ Rostrum	Flippers	Body	Flukes
	Unknown	None	None	None	High
Duration of time carrying gear		Minimum 57 days, maximum 266 days			
Disentangled?		Yes - 01 Sep 2002			
Status		Dead - 13 Oct 2002			
Number of prior entanglement interactions		1			

Entanglement configuration	Single line wraps once around tailstock, tightly twisted back on self, leading to small, hard buoy, two buoy sticks and a tangle of line; little gear trailing
Anchoring point(s)	Tailstock
Gear configuration confidence	High
Remaining questions	None
Comments	Line was relatively thin and deeply embedded within tailstock. All gear was removed but whale found dead a month and a half later. Animal seen once in very poor condition after disentanglement and before found dead.

Р	olymer Type	Polysteel/PET
Gear Component		Vertical
Rope Diame	eter (inches)	3/8 (0.370)
Breaking Strength	Tested	2 254
(lbs)	New	3 400



06 Jul 2002 BIWSC



06 Jul 2002 BIWSC



30 Aug 2002 NOAA



01 Aug 2002 NEA



01 Aug 2002 NEA



13 Oct 2002 WHOI

DATA SHEET

FORENSIC ANALYSIS OF ROPES WHALE ENTANGLEMENT PROJECT

SPECIMEN ID NO. NMFS NO.

J070602 E15-02

Gear Description:

Long length of ³/₈ inch 3-strand PP/PET combo rope. Identified as inshore lobster gear.



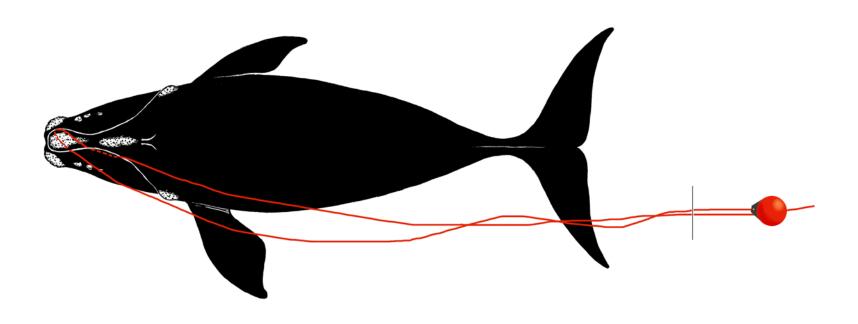
Rope description:

J070602: ³/₈ inch 3-strand Polysteel/PET combo rope with small red marker strand. PET wrapped around pale blue Polysteel. Some localized surface abrasion and kinks set into the line but generally in good condition. Hard lay with 4 rope yarns per strand.

Tested (T) or adjusted (A)	Typical new strength	Rope condition
strength		
2,254 lbs (T)	3,400 lbs	Good

Species Right Whale		Whale	D Eg #1427		
	Date first observed entangled (date seen prior without gear) (08 May 20				
Sex Male	Birth year	1984	A	e at entanglement	18

Coop study ID	PCCS	NMFS	GEAR ID
Case study ID	WR-2002-14	E17-02	J071202
Gear sample collected?	Yes	Gear type Unknow	'n



Reproductive prior to/af					
	Moderate				
Ent	anglement con	figuration risk	High		
Wound coverity	Mouth	Head/ Rostrum	Flippers	Body	Flukes
Wound severity	Medium	Medium	Unknown	Low	Medium
Duration of time	e carrying gear	Minimum 9 d	lays, maximur	n 485 day	S
	Disentangled?	No -Gear she	ed		
	Alive - Last sighted in 2016				
Number of prior entangleme	nt interactions	4			

Entanglement configuration	Line caught in mouthline, far forward on the head and leading to ~150ft of trailing line and balloon buoy.
Anchoring point(s)	Mouthline
Gear configuration confidence	High
Remaining questions	Flippers do not appear to have been involved but not possible to verify.
Comments	Whale was tagged for possible disentanglement but this was removed by recreational boater; whale seen months later gear-free.

Polymer type		Polysteel
Gear component		Vertical line
Rope diameter (inches)		5/8 (0.630)
Breaking	Tested	7 241
strength (lbs)	New	9 000





15 Jul 2002 PCCS



16 Jul 2002 NMFS

DATA SHEET

FORENSIC ANALYSIS OF ROPES WHALE ENTANGLEMENT PROJECT

SPECIMEN ID NO.

NMFS NO.

J071202

E17-02

Gear Description:

3 coils of $\frac{5}{8}$ inch polysteel 3-strand: coils of 50, 100 and 118 feet.

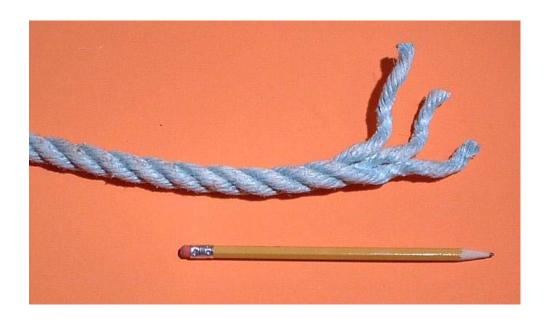
No photo

No information on origin.

Rope description:

⁵/₈ inch pale blue Polysteel 3-strand.

Tested (T) or adjusted (A)	Typical new strength	Rope condition
strength		
7,241 lbs (T)	9,000 lbs	Good

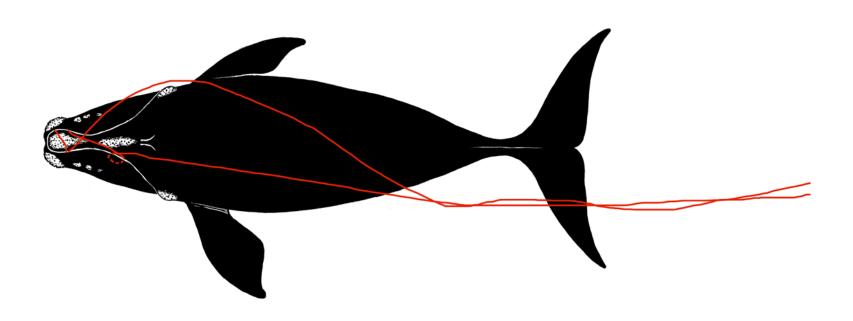


	Date first obser	ved entangled	04 Aug 2002	
	(date seen prior without gear)		(02 Aug 2002)	
İ	Sex Female	Birth year	Unknown	Age at entanglement 10+

Species Right Whale

Whale ID Eg #2320

Coop study ID	PCCS	NMFS	GEAR ID
Case study ID	WR-2002-18	E21-02	
Gear sample collected?	No	Gear type	



Reproductive prior	No				
Reproductive after entanglement detection?			Yes		
	Entangle	ment severity	Moderate		
Wound coverity	Mouth	Head/ Rostrum	Flippers	Body	Flukes
Wound severity	Medium	Medium	Unknown	Low	Medium
Duration of time	carrying gear	Minimum 782 days, maximum 884 days			
	Disentangled?	? No			
	Alive until seen dead in 2015 unknown cause				
Number of prior entangleme	nt interactions	2			

Entanglement configuration	Not well-understood and changed in detail over time; lines wrap rostrum at least three times, one of the wraps, tightly; line did not appear to involve the flippers and trailed the flukes an unknown distance.
Anchoring point(s)	Rostrum
Gear configuration confidence	Low
Remaining questions	Nature of flippers
Comments	Extensive weaving of baleen was documented well into entanglement history; gear eventually shed.



04 Aug 2002 ECE



04 Aug 2002 ECE



24 Mar 2003 PCCS



24 Mar 2003 PCCS



28 Apr 2003 PCCS



19 Apr 2004 PCCS



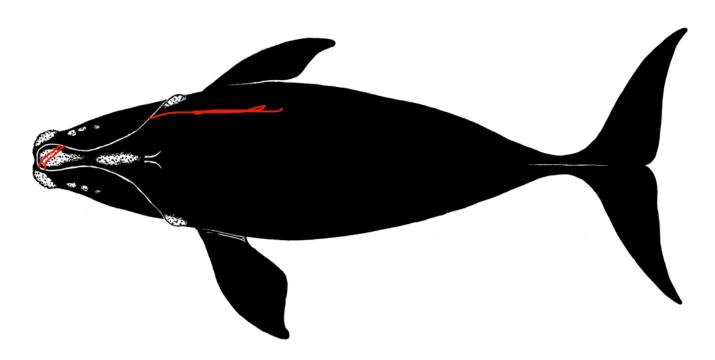
19 Apr 2004 PCCS

	Date first observed entangled		10 Aug 2002	
	(date seen prior without gear)		(03 Jul 2002)	
ĺ	Sex Female	Birth year	1990	Age at entanglement 12

Whale ID Eg # 2040

Species Right Whale

Casa study ID	PCCS	NMFS		GEAR ID
Case study ID	WR-2002-21	E25-02		
Gear sample collected?	No	Gear type		



Reproductive prior	Yes				
Reproductive after entanglement detection			Yes		
	Entangle	ment severity	Moderate		
Wound coverity	Mouth	Head/ Rostrum	Flippers	Body	Flukes
Wound severity	Low	Low	Unknown	Low	Medium
Duration of time	Minimum 14 days, maximum 74				
	No				
	Alive - Last sighted in 2014				
Number of prior entangleme	2				

Entanglement configuration	Not wall understood: 1 O tight restrum wrong with same
Entanglement configuration	Not well-understood; 1-2 tight rostrum wraps with some
	trailing line exiting right mouthline.
Anchoring point(s)	Rostrum
Gear configuration confidence	Low
Remaining questions	Whereabouts of bitter ends entering and exiting the
. .	mouthline; nature of flippers, trailing line.
Comments	Entanglement was likely more extensive prior to
	discovery; baleen pulled from mouth.





24 Aug 2002 CG



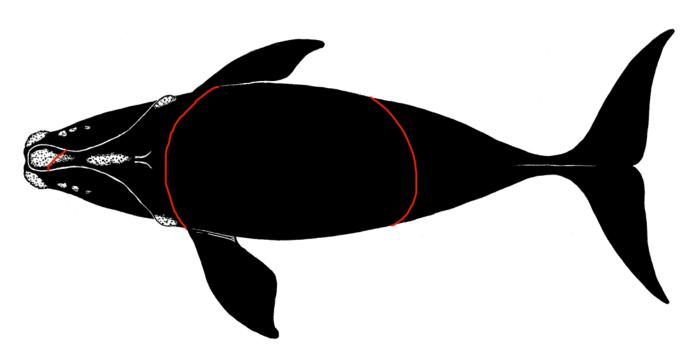
17 Sep 2002 NEA

Date first obser	ved entangled	22 Aug 2002		
(date seen prior without gear)		(20 Sep 2001)		
Sex Female	Birth year	Unknown	Age at entanglement	15+

Whale ID Eg #1815

Species Right Whale

Cana atudu ID	PCCS	NMFS	GEAR ID
Case study ID	WR-2002-25	E27-02	
Gear sample collected?	No	Gear type	·



Reproductive prior	Yes				
Reproductive after entanglement de			No		
	Entangle	ment severity	Severe		
Wound goverity	Mouth	Head/ Rostrum	Flippers	Body	Flukes
Wound severity	Unknown	High	Unknown	Medium	Low
Duration of time	Minimum 1 d	ay, maximum	335 days		
	No				
	Presumed dead - Last sighted in 2002				
Number of prior entangleme	2				

Entanglement configuration	Not well-understood; tight rostrum wrap, tight wrap
	behind head and wrap of back.
Anchoring point(s)	Rostrum, body
Gear configuration confidence	Low
Remaining questions	Whereabouts of bitter end entering and exiting the mouthline; nature of flippers, trailing line.
Comments	Whale has not been seen since entanglement sighting.



22 Aug 2002 NEFSC



22 Aug 2002 NEFSC



22 Aug 2002 NEFSC



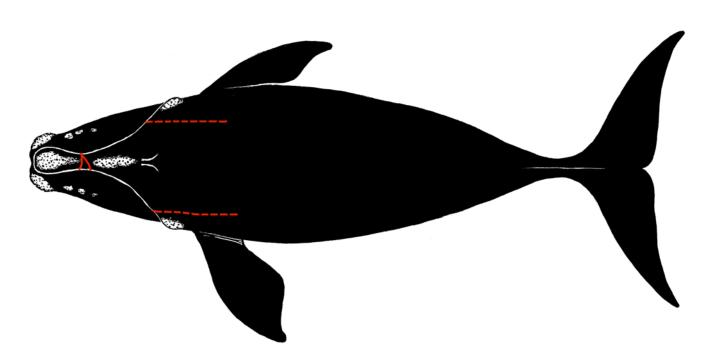
22 Aug 2002 NEFSC



22 Aug 2002 NEFSC

	Specie	s Right Wh	Right Whale		ale ID	Eg #3210	
	Date first observed entangled (date seen prior without gear) (Unknown)						
Se	Male	Birth vear	Unknown		Age	at entanglement	1+

Coop study ID	PCCS	NMFS	GEAR ID
Case study ID	WR-2002-27	E29-02	
Gear sample collected?	No	Gear type	



Reproductive prior					
Reproductive after entanglement detection?					
	Entangle	ment severity	Severe		
Wound coverity	Mouth	Head/ Rostrum	Flippers	Body	Flukes
Wound severity	Unknown	High	Unknown	None	Low
Duration of time	Minimum 109	92 days, maxi	mum unkn	own	
	No				
	Presumed dead - Last sighted in 2005)5	
Number of prior entangleme	0				

Entanglement configuration	Two wraps of line tight around rostrum; no trailing line
	seen.
Anchoring point(s)	Rostrum
Gear configuration confidence	Low
Remaining questions	Whereabouts of bitter ends entering and exiting the mouthline.
Comments	Considered potentially lethal due to constricting wraps of line around rostrum.



30 Aug 2002 NEA



30 Aug 2002 NEA



30 Aug 2002 NEA



25 Sep 2002 NEA



25 Sep 2002 NEA



19 May 2004 NEFSC