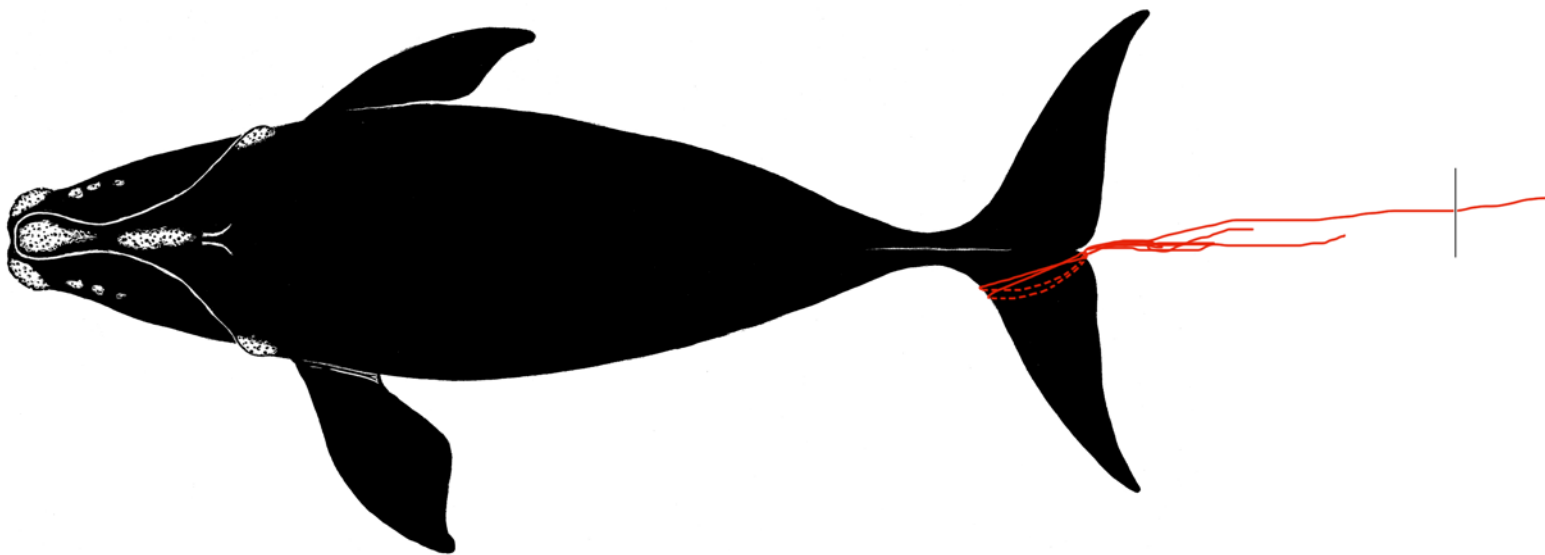


Species		Right Whale		Whale ID		2470	
Date first observed entangled (date seen prior without gear)			13 May 2010 ( 24 Jan 2010 )				
Sex	Male		Birth year	Unknown		Age at entanglement	17+

Case study ID	CCS	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 2015			
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



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



Species	Right Whale	Whale ID	Eg # 1124
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Date first observed entangled (date seen prior without gear)		27 Jun 2010 (5 Jan 2010)			
Sex	Male	Birth year		Age at entanglement	31+

Case study ID	CCS	NMFS		GEAR ID
	WR-2010-07	E08-10		
Gear sample collected?	No	Gear type		

No drawing available

Reproductive prior to/after entanglement detection					
Entanglement injury severity					Severe
Entanglement configuration risk					High
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	Unk	High	High	Unk	Unk
Duration of time carrying gear		Minimum 1 days, maximum 172 days			
Disentangled?		No			
Status		Dead			
Number of prior entanglements		2			

Entanglement configuration	Multipe wraps embedded around rostrum. Flippers also had deep, chronic wounds
Anchoring points	Mouthline, flippers
Gear configuration confidence	High
Remaining questions	
Comments	Covered with orange cyamids

Polymer type		
Gear component		
Rope diameter (inches)		
Breaking strength (lbs)	Tested	
	New	



30 June 2010, US Coast Guard, rostrum and left flipper



27 June 2010, US Coast Guard, body and left flipper



27 June 2010, US Coast Guard, left body



1 July 2010, WHOI, deep cut from rope in rostrum



Species	Right Whale	Whale ID	Eg # 1503
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Date first observed entangled (date seen prior without gear)		10 Sep 2010 (12 Apr 2010)			
Sex	Female	Birth year	1985	Age at entanglement	25

Case study ID	CCS	NMFS		GEAR ID
	WR-2010-20	E20-10		
Gear sample collected?	No	Gear type		

No drawing available

Reproductive prior to/after entanglement detection				Yes/No	
Entanglement injury severity				Moderate	
Entanglement configuration risk				High	
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	Unk	Medium	Unk	None	Medium
Duration of time carrying gear		Minimum 1 days, maximum 150 days			
Disentangled?		No			
Status		Presumed dead. Last seen 2010			
Number of prior entanglements		4			

Entanglement configuration	Three entwined ropes exit left mouth crossing rostrum towards right flipper
Anchoring points	Mouthline, flipper?
Gear configuration confidence	Low
Remaining questions	Involvement of one or both flippers is unknown
Comments	

Polymer type		
Gear component		
Rope diameter (inches)		
Breaking strength (lbs)	Tested	
	New	



10 Sep 2010, Blue Ocean Society



10 Sep 2010, Blue Ocean Society



10 Sep 2010, Blue Ocean Society



Species	Right Whale	Whale ID	Eg # 3120
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Date first observed entangled (date seen prior without gear)		20 Oct 2010 (19 Oct 2010)			
Sex	Male	Birth year	2001	Age at entanglement	9

Case study ID	CCS	NMFS		GEAR ID
	WR-2010-21	E22-10		
Gear sample collected?	No	Gear type	Gillnet	

No drawing available

Reproductive prior to/after entanglement detection					
Entanglement injury severity					Severe
Entanglement configuration risk					High
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	Medium	None	High	None	Medium
Duration of time carrying gear		Minimum 89 days, maximum 153 days			
Disentangled?		No			
Status		Alive - last seen in 2015			
Number of prior entanglements		2			

Entanglement configuration	Line around body and probably one or both flippers
Anchoring points	Flippers?, mouthline?
Gear configuration confidence	Low
Remaining questions	Uncertain how mouth and flippers were involved
Comments	Gear shed

Polymer type		
Gear component		Float line
Rope diameter (inches)		
Breaking strength (lbs)	Tested	
	New	



20 Oct 2010, Blue Ocean Society



20 Oct 2010, Blue Ocean Society



20 Oct 2010, Blue Ocean Society



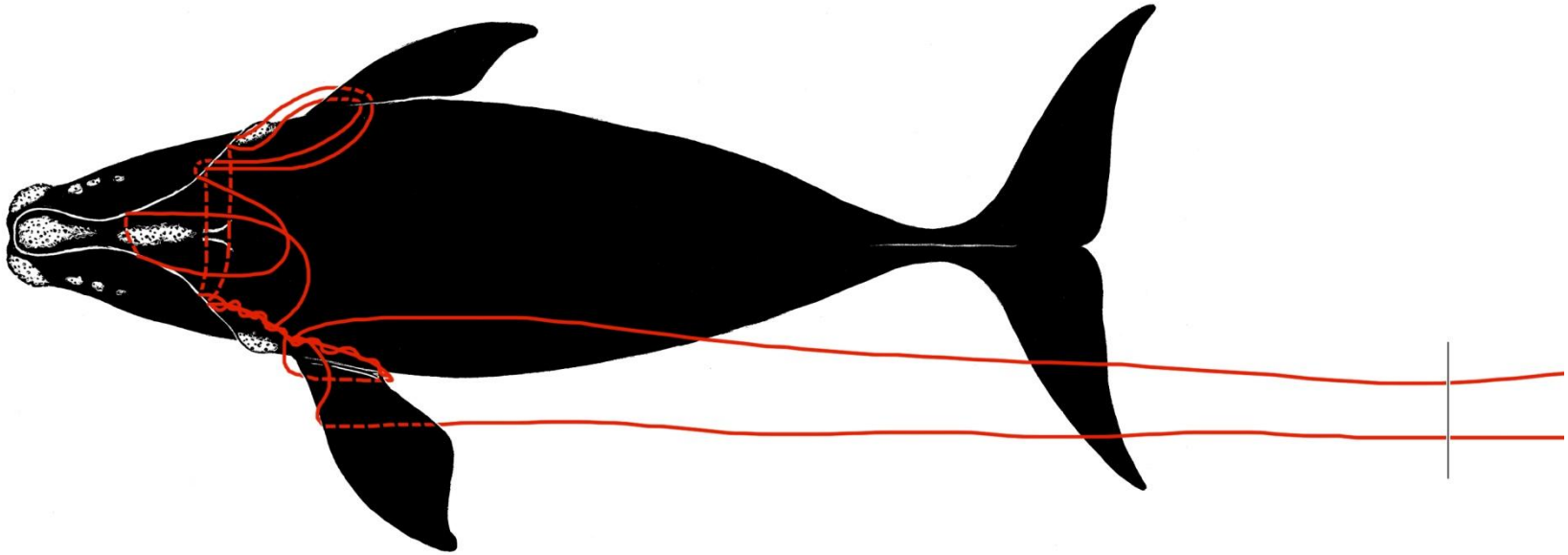
18 Sep 2011, NEAq, deep injury left flipper



Species	Right Whale	Whale ID	Eg # 3911
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Date first observed entangled (date seen prior without gear)		25 Dec 2010 (23 Feb 2010)			
Sex	Female	Birth year	2009	Age at entanglement	2

Case study ID	CCS	NMFS		GEAR ID
	WR-2010-23	E25-10		J122510 rw
Gear sample collected?		yes	Gear type	



Reproductive prior to/after entanglement detection					No/No
Entanglement injury severity					Severe
Entanglement configuration risk					High
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	High	High	High	Medium	High
Duration of time carrying gear		Minimum 38 days, maximum 342 days			
Disentangled?		Yes, partial			
Status		Dead			
Number of prior entanglements		1			

Entanglement configuration	Ropes through mouth, around both flippers, and trailing ~200 ft
Anchoring points	Moutline, flippers
Gear configuration confidence	High
Remaining questions	
Comments	Poor conditon, succumbed to sharks

Polymer type		
Gear component		
Rope diameter (inches)		
Breaking strength (lbs)	Tested	
	New	



25 Dec 2011, FL FWC



25 Dec 2011, FL FWC



25 Dec 2011, FL FWC



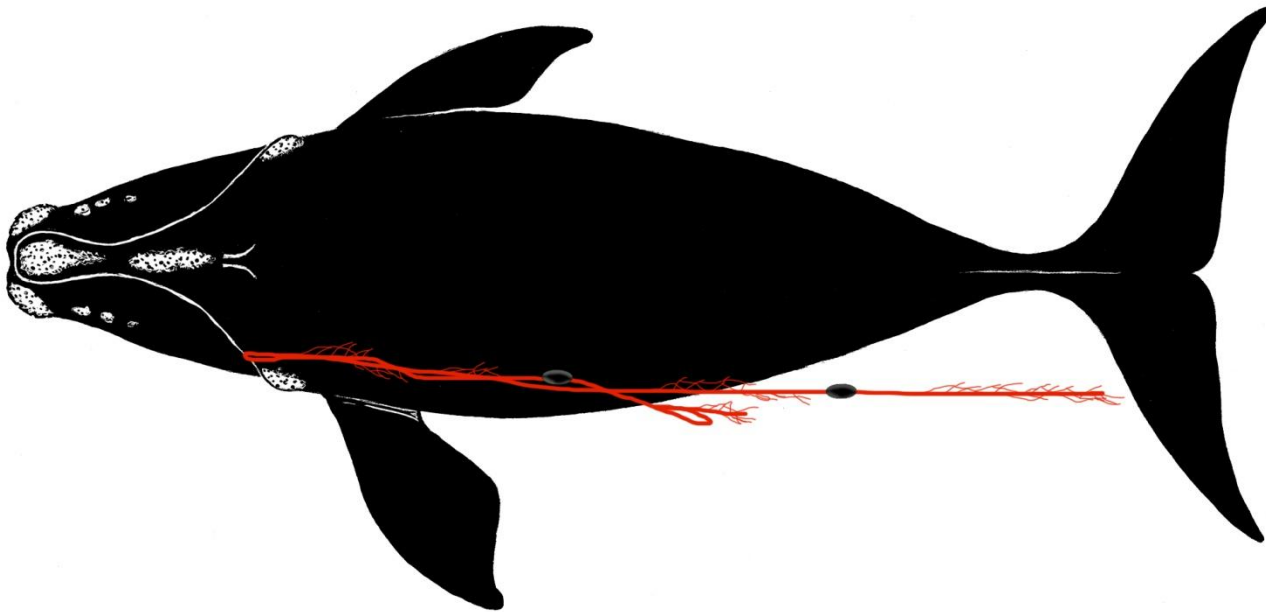
1 Feb 2011, FL FWC



Species	Right Whale	Whale ID	Eg # 3010
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Date first observed entangled (date seen prior without gear)		19 Jan 2011 (31 Dec 2010)			
Sex	Female	Birth year		Age at entanglement	12+

Case study ID	CCS	NMFS		GEAR ID
	WR-2011-02	E02-11		
Gear sample collected?	No	Gear type	Gillnet	



Reproductive prior to/after entanglement detection				Yes/No	
Entanglement injury severity				Moderate	
Entanglement configuration risk				Low	
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	Low	None	Unk	None	Medium
Duration of time carrying gear		Minimum 11 days, maximum 110 days			
Disentangled?		No			
Status		Alive - last seen in 2012			
Number of prior entanglements		1			

Entanglement configuration	Single rope exiting left side of mouth
Anchoring points	Mouthline
Gear configuration confidence	High
Remaining questions	
Comments	Gear shed

Polymer type		
Gear component		
Rope diameter (inches)		
Breaking strength (lbs)	Tested	
	New	



19 Jan 2011, Florida FWC



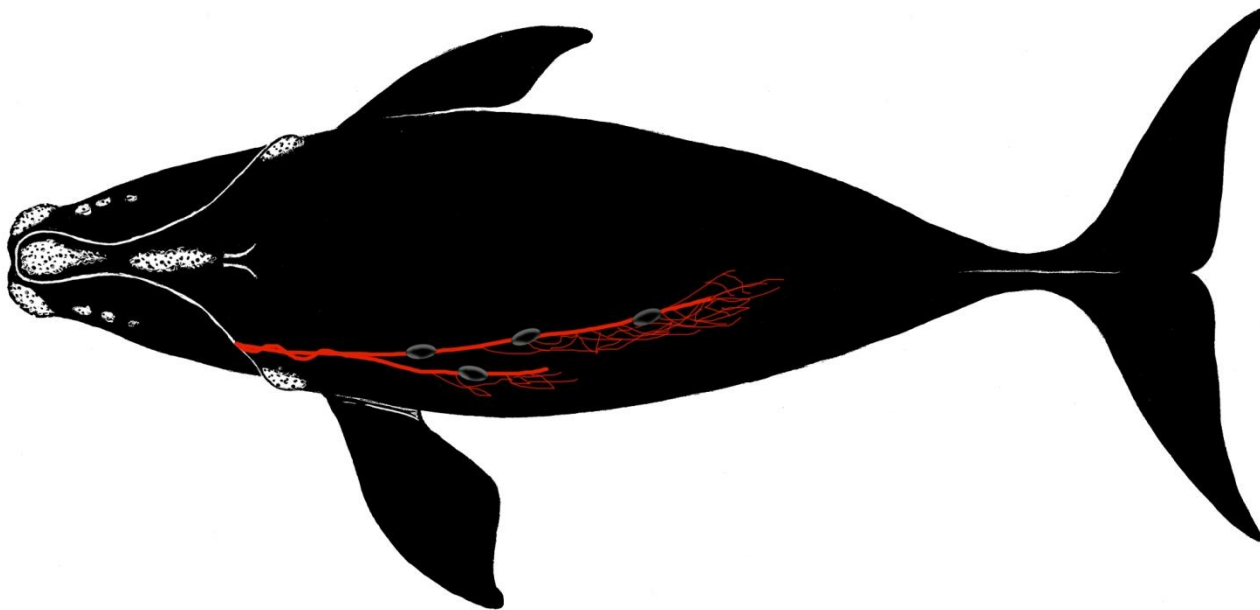
19 Jan 2011, Florida FWC



Species	Right Whale	Whale ID	Eg # 3712
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Date first observed entangled (date seen prior without gear)		30 Jan 2011 (13 Nov 2010)			
Sex	Male	Birth year	2007	Age at entanglement	4

Case study ID	CCS	NMFS		GEAR ID
	WR-2011-03	E03-11		
Gear sample collected?	No	Gear type	Gillnet	



Reproductive prior to/after entanglement detection					
Entanglement injury severity					Moderate
Entanglement configuration risk					Low
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	None	None	None	None	Medium
Duration of time carrying gear		Minimum 10 days, maximum 163 days			
Disentangled?		No			
Status		Alive - last seen in 2016			
Number of prior entanglements		2			

Entanglement configuration	Single rope and netting exiting left mouth and halfway down body
Anchoring points	Mouthline
Gear configuration confidence	High
Remaining questions	
Comments	Gear shed

Polymer type		
Gear component		Floatline
Rope diameter (inches)		
Breaking strength (lbs)	Tested	
	New	



30 Jan 2011, FWRI



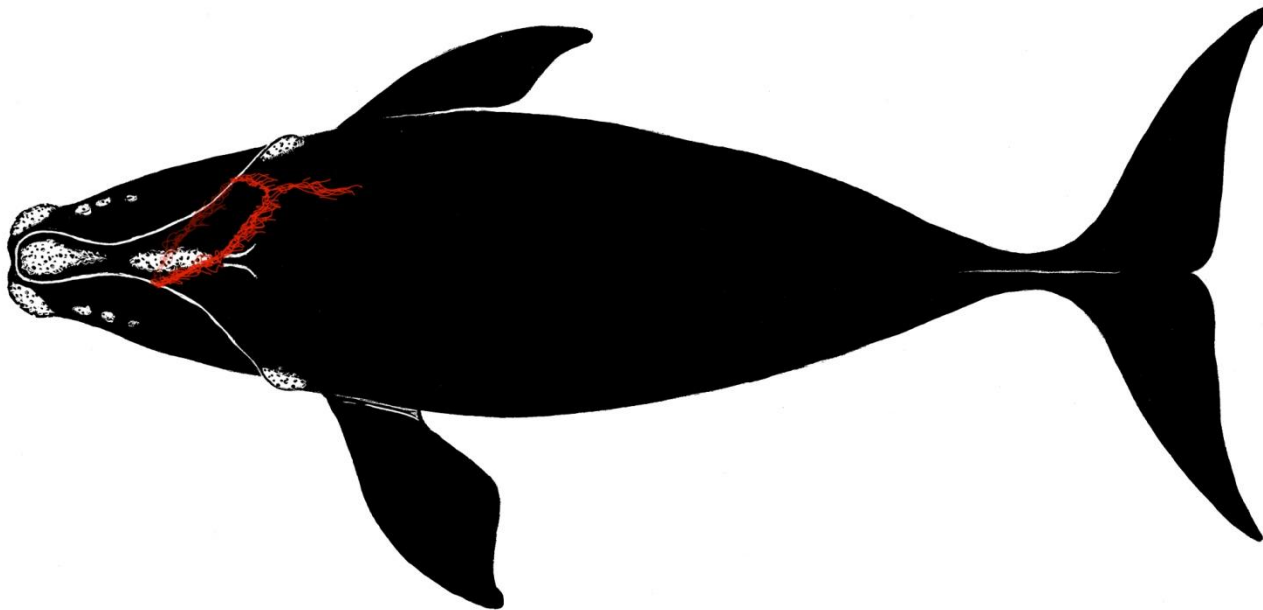
13 Aug 2011, New England Aquarium



Species	Right Whale	Whale ID	Eg # 3760
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Date first observed entangled (date seen prior without gear)		13 Feb 2011 (1 May 2010)			
Sex	Female	Birth year	2007	Age at entanglement	4

Case study ID	CCS	NMFS		GEAR ID
	WR-2011-05	E05-11		
Gear sample collected?	No	Gear type	Gillnet	



Reproductive prior to/after entanglement detection				No/No	
Entanglement injury severity				Moderate	
Entanglement configuration risk				Low	
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	Low	None	Unk	None	Medium
Duration of time carrying gear		Minimum 1 days, maximum 357 days			
Disentangled?		No			
Status		Alive - last seen in 2016			
Number of prior entanglements		2			

Entanglement configuration	Netting only extending out of left and right sides of mouth and partway down the body
Anchoring points	Mouthline
Gear configuration confidence	High
Remaining questions	
Comments	Gear shed

Polymer type		
Gear component		Monofilament netting
Rope diameter (inches)		
Breaking strength (lbs)	Tested	
	New	



13 Feb 2011, GA DNR



13 Feb 2011, GA DNR



13 Feb 2011, GA DNR



Species	Right Whale	Whale ID	Eg # 3993
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Date first observed entangled (date seen prior without gear)		13 Feb 2011 (20 Apr 2010)			
Sex	Male	Birth year	2009	Age at entanglement	2

Case study ID	CCS	NMFS		GEAR ID
	WR-2011-06	E06-11		
Gear sample collected?	No	Gear type		

No drawing available

Reproductive prior to/after entanglement detection					
Entanglement injury severity				Severe	
Entanglement configuration risk				High	
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	None	None	High	None	Low
Duration of time carrying gear		Minimum 1 days, maximum 298 days			
Disentangled?		No			
Status		Presumed dead. Last seen in 2011			
Number of prior entanglements		1			

Entanglement configuration	Rope wrapped around right flipper and trailing 10 ft behind flukes
Anchoring points	Flipper
Gear configuration confidence	Low
Remaining questions	Unknown if mouth involved
Comments	Poor condition

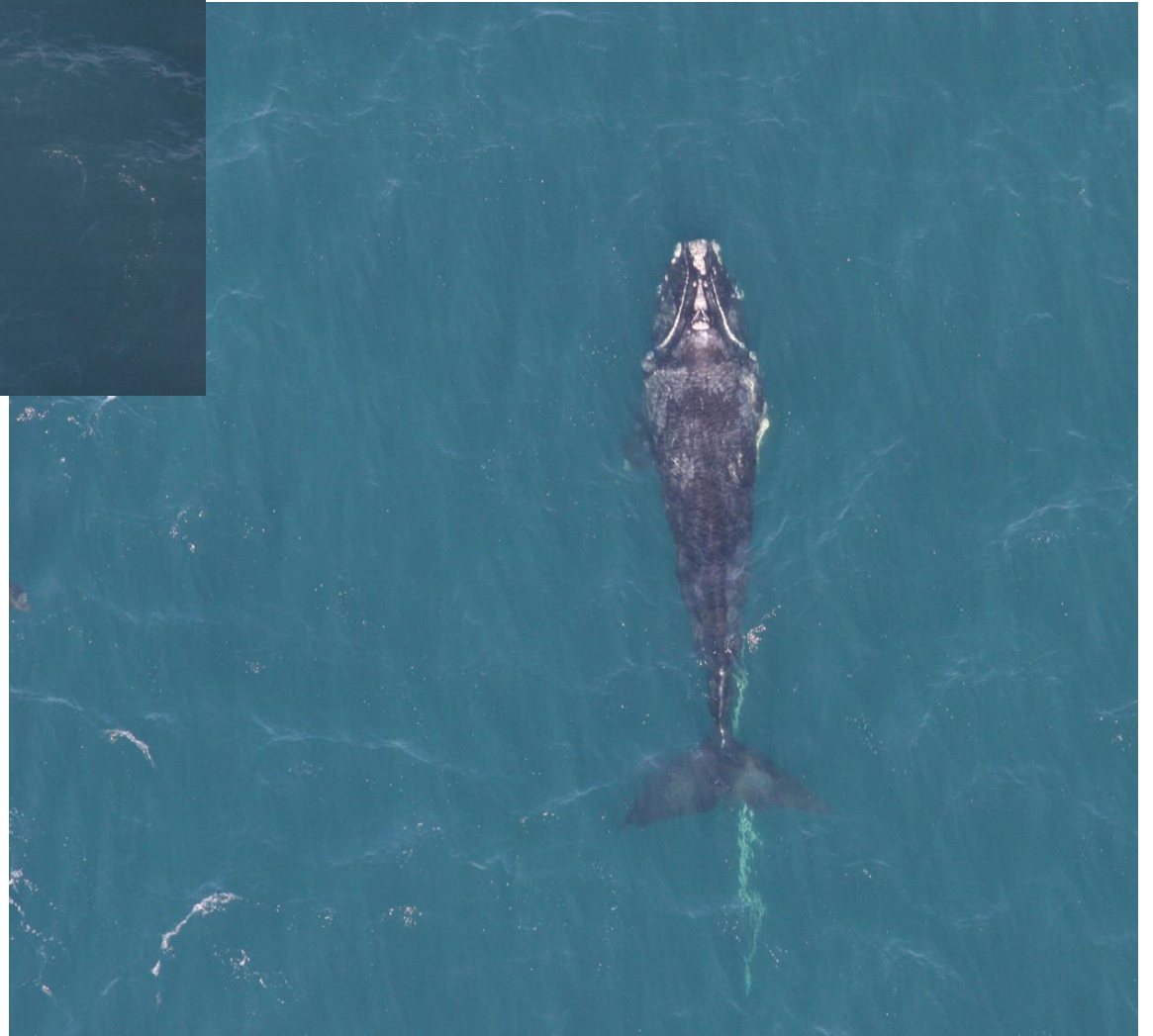
Polymer type		
Gear component		
Rope diameter (inches)		
Breaking strength (lbs)	Tested	
	New	



13 Feb 2011, Sea 2 Shore Alliance



13 Feb 2011, Sea 2 Shore Alliance



13 Feb 2011, Sea 2 Shore Alliance



Species	Right Whale	Whale ID	Unknown
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Date first observed entangled (date seen prior without gear)		16 Mar 2011 (Unknown)			
Sex	Unknown	Birth year		Age at entanglement	Unknown

Case study ID	CCS	NMFS		GEAR ID
	WR-2011-07	E07-11		J031611 rw
Gear sample collected?	yes	Gear type		

No drawing available

Reproductive prior to/after entanglement detection					
Entanglement injury severity					Severe
Entanglement configuration risk					High
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	Unk	Unk	High	Unk	Unk
Duration of time carrying gear		Minimum 1 days, maximum unknown			
Disentangled?		No			
Status		Dead			
Number of prior entanglements					

Entanglement configuration	Gear wrapped 13 times around flipper
Anchoring points	Flipper
Gear configuration confidence	Low
Remaining questions	Unknown if any other body areas involved
Comments	Very decomposed carcass

Polymer type		
Gear component		
Rope diameter (inches)		
Breaking strength (lbs)	Tested	
	New	



16 Mar 2011, NOAA, right flipper



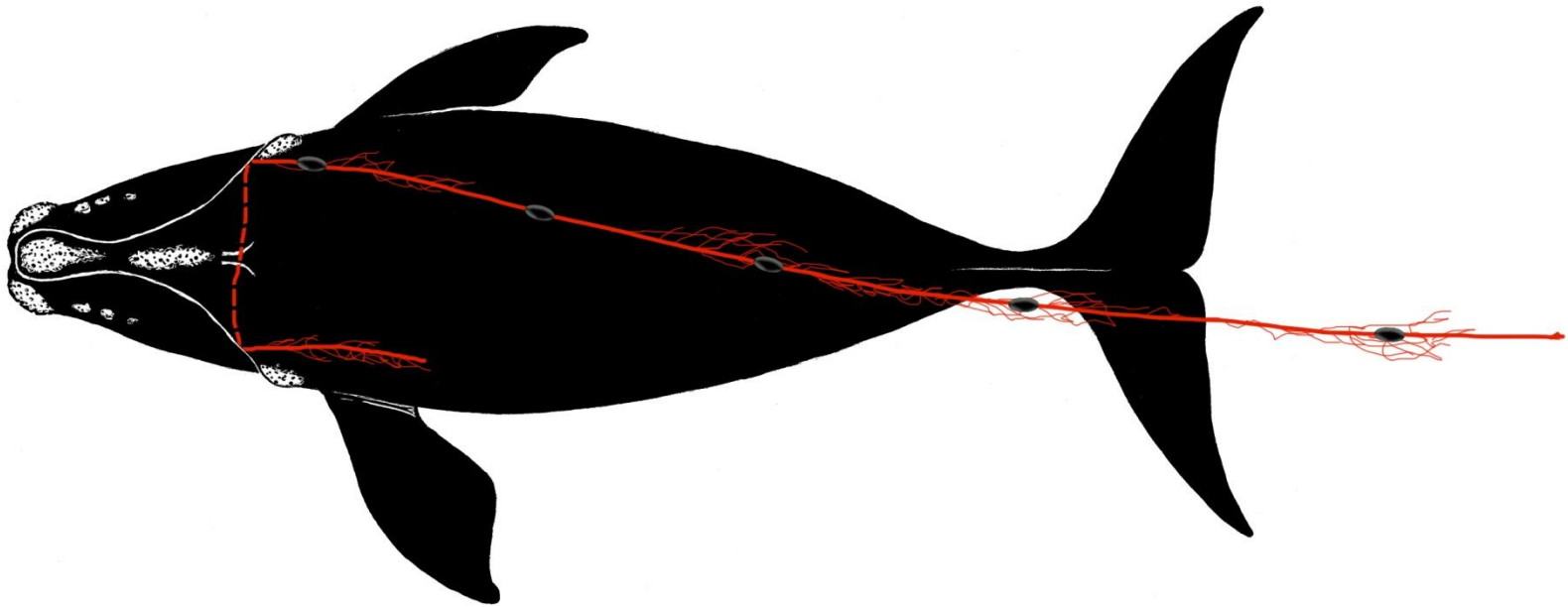
16 Mar 2011, NOAA, right flipper



Species	Right Whale	Whale ID	Eg # 3893
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Date first observed entangled (date seen prior without gear)		17 Mar 2011 (27 Aug 2010)			
Sex	Female	Birth year	2008	Age at entanglement	3

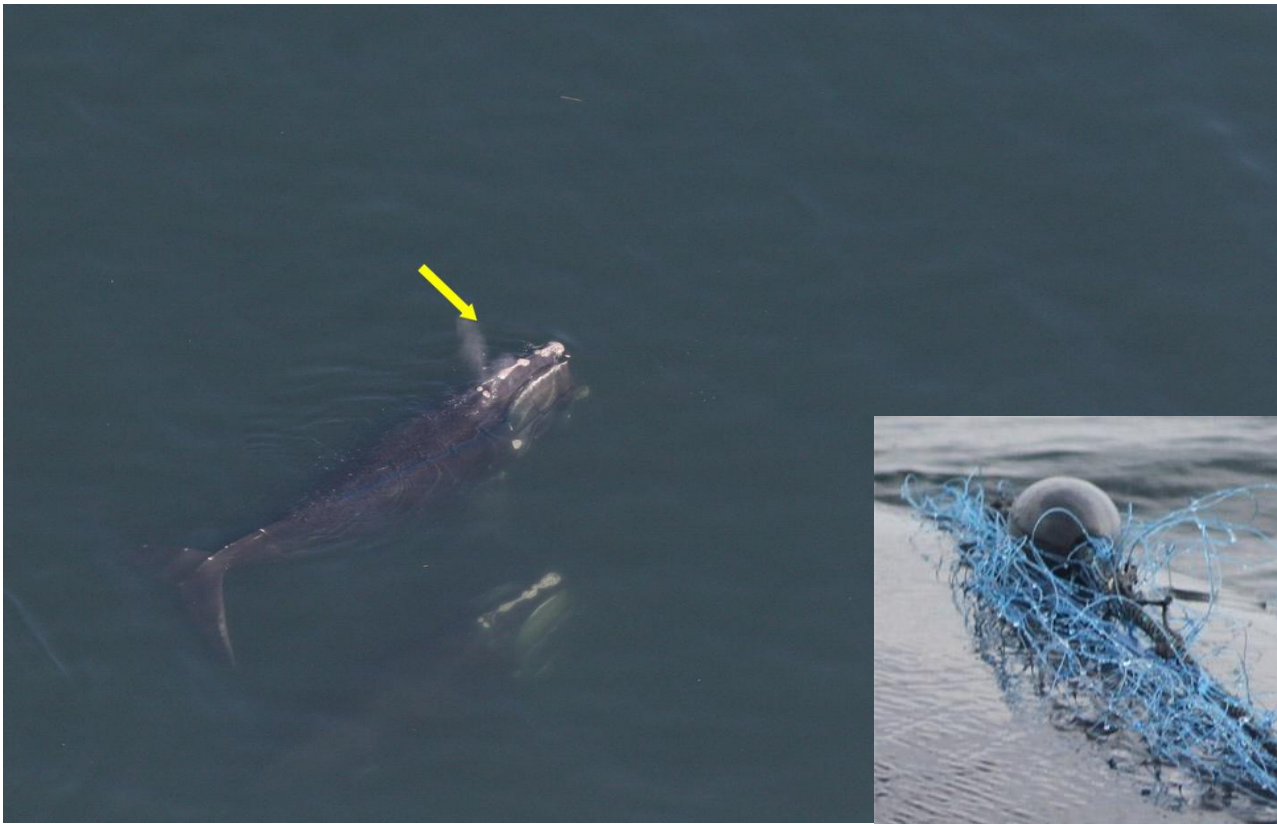
Case study ID	CCS	NMFS		GEAR ID
	WR-2011-10	E08-11		
Gear sample collected?		Gear type	Gillnet	



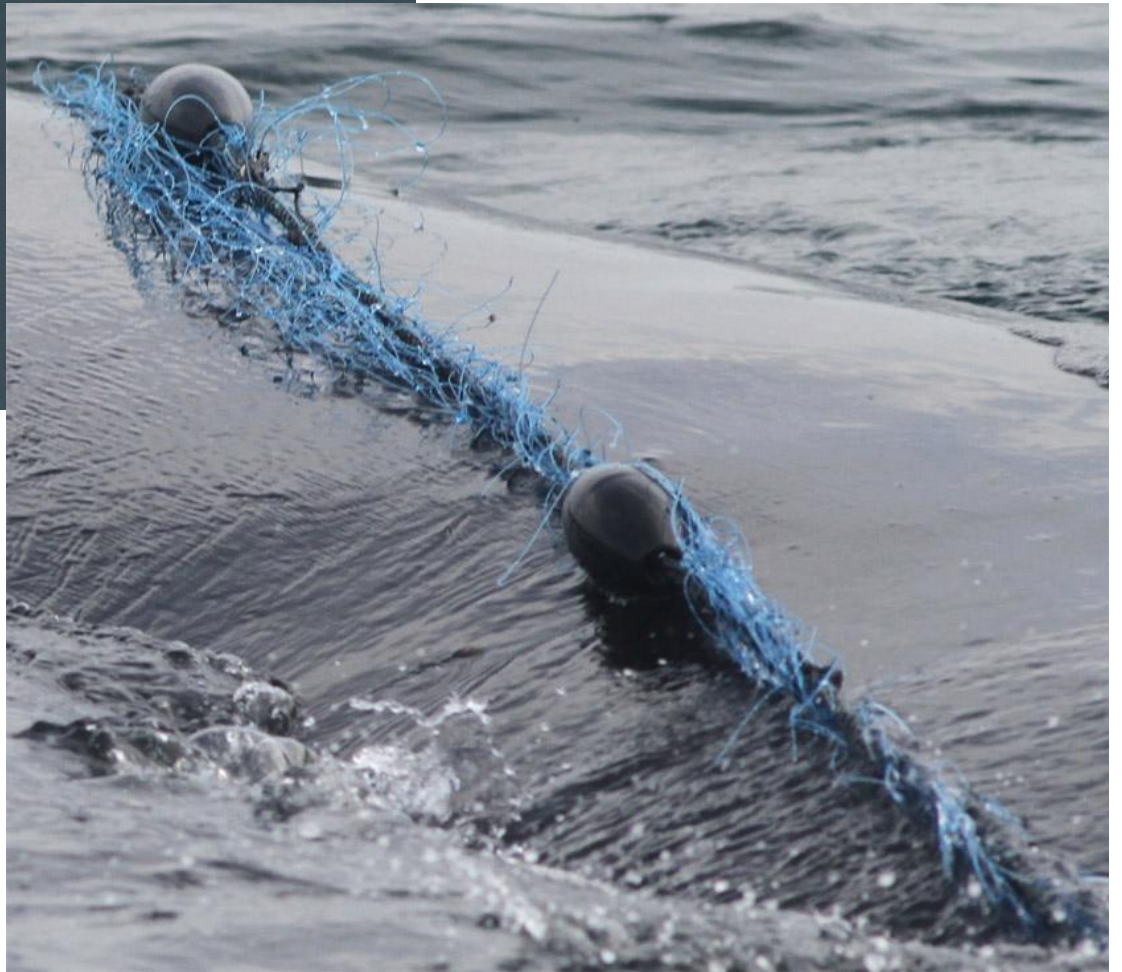
Reproductive prior to/after entanglement detection					No/No
Entanglement injury severity					Minor
Entanglement configuration risk					Low
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	Unk	Low	Low	None	Low
Duration of time carrying gear		Minimum 38 days, maximum 243 days			
Disentangled?		Yes, partial			
Status		Alive - last seen in 2016			
Number of prior entanglements		0			

Entanglement configuration	Rope and netting through both sides of mouth and extending to flukes on right side
Anchoring points	Mouthline
Gear configuration confidence	High
Remaining questions	
Comments	Remaining gear shed

Polymer type		
Gear component		Floatline
Rope diameter (inches)		
Breaking strength (lbs)	Tested	
	New	



17 Mar 2011, Center for Coastal Studies



24 Apr 2011, Center for Coastal Studies



Species	Right Whale	Whale ID	Eg # 3302
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Date first observed entangled (date seen prior without gear)		22 Apr 2011 (27 Aug 2010)			
Sex	Male	Birth year	2003	Age at entanglement	8

Case study ID	CCS	NMFS		GEAR ID
	WR-2011-33	E12-11		
Gear sample collected?	No	Gear type		

No drawing available

Reproductive prior to/after entanglement detection					
Entanglement injury severity				Minor	
Entanglement configuration risk				High	
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	Unk	Low	Unk	Low	Low
Duration of time carrying gear		Minimum 201 days, maximum 438 days			
Disentangled?		No			
Status		Presumed dead. Last seen in 2011			
Number of prior entanglements		2			

Entanglement configuration	Single rope across nares and likely leading into mouth. No trailing gear
Anchoring points	Mouthline
Gear configuration confidence	High
Remaining questions	
Comments	Rope is taught across blowholes but not embedded

Polymer type		
Gear component		
Rope diameter (inches)		
Breaking strength (lbs)	Tested	
	New	



26 Sep 2011, New England Aquarium



26 Sep 2011, New England Aquarium



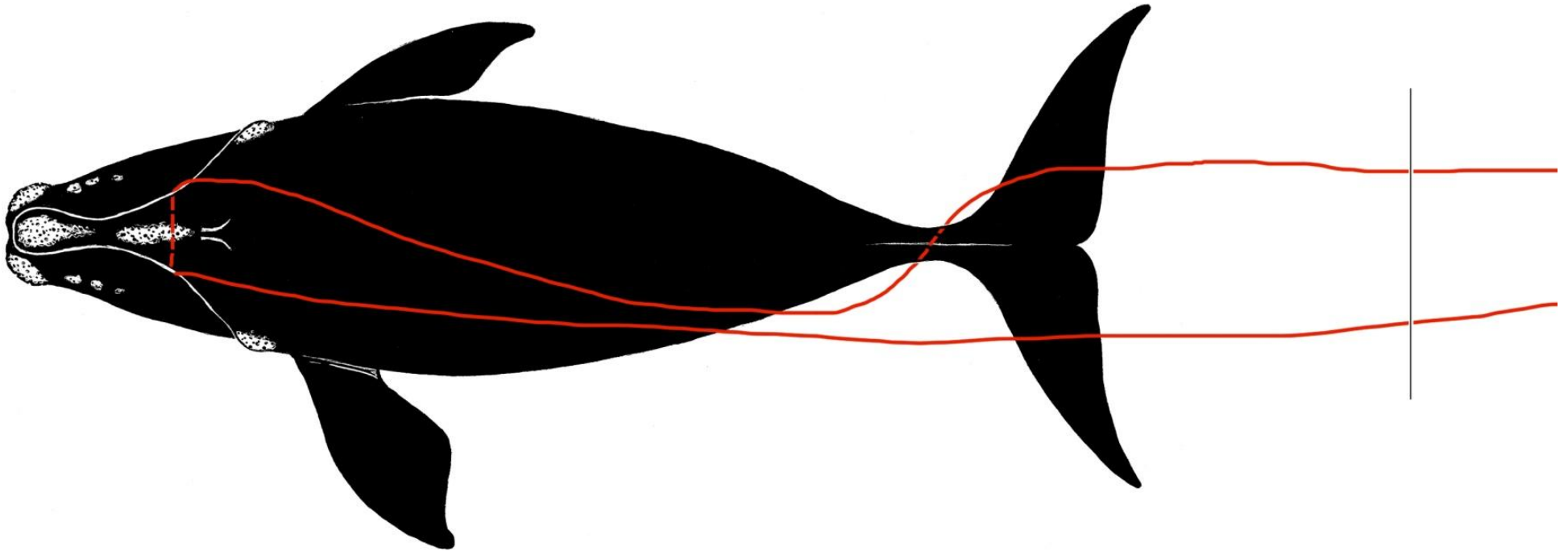
26 Sep 2011, New England Aquarium



Species	Right Whale	Whale ID	Eg # 4040
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Date first observed entangled (date seen prior without gear)	22 Apr 2011 (21 Apr 2010)				
Sex	Unknown	Birth year		Age at entanglement	2+

Case study ID	CCS	NMFS		GEAR ID
	WR-2011-11	E11-11		J042211 rw-1
Gear sample collected?	yes	Gear type	NE trap/pot, nearshore	



Reproductive prior to/after entanglement detection					
Entanglement injury severity					Moderate
Entanglement configuration risk					High
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	None	Low	Unk	Low	Medium
Duration of time carrying gear		Minimum 1 days, maximum 364 days			
Disentangled?		Yes			
Status		Alive - last seen in 2016			
Number of prior entanglements		0			

Entanglement configuration	Single rope exiting both sides of mouth and extending ~50 feet behind flukes
Anchoring points	Mouthline
Gear configuration confidence	High
Remaining questions	
Comments	

Polymer type		
Gear component		
Rope diameter (inches)		
Breaking strength (lbs)	Tested	
	New	



22 Apr 2011, Center for Coastal Studies



22 Apr 2011, Center for Coastal Studies



22 Apr 2011, Center for Coastal Studies

Species	Right Whale	Whale ID	Eg # 3123
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Date first observed entangled (date seen prior without gear)		29 Apr 2011 (20 Apr 2010)			
Sex	Female	Birth year	2001	Age at entanglement	10

Case study ID	CCS	NMFS		GEAR ID
	WR-2011-13	E13-11		
Gear sample collected?	No	Gear type		

No drawing available

Reproductive prior to/after entanglement detection				Yes/No	
Entanglement injury severity				Minor	
Entanglement configuration risk				Low	
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	Low	None	None	None	None
Duration of time carrying gear		Minimum 142 days, maximum 698 days			
Disentangled?		No			
Status		Alive but then suffered a severe entglmnt in 2013			
Number of prior entanglements		3			

Entanglement configuration	Short length of line exiting right mouth gape and extending 1/2 of body
Anchoring points	Mouthline, flipper?
Gear configuration confidence	Low
Remaining questions	Uncertain if right flipper was involved
Comments	Gear shed

Polymer type		
Gear component		
Rope diameter (inches)		
Breaking strength (lbs)	Tested	
	New	





29 April 2011, Center for Coastal Studies



18 Sep 2011, New England Aquarium

Species	Right Whale	Whale ID	Eg # 4090
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Date first observed entangled (date seen prior without gear)		18 Sep 2011 (29 Apr 2011)			
Sex	Unknown	Birth year	2010	Age at entanglement	1

Case study ID	CCS	NMFS		GEAR ID
	WR-2011-32	E31-11		J091811 rw
Gear sample collected?	No	Gear type	Gillnet	

No drawing available

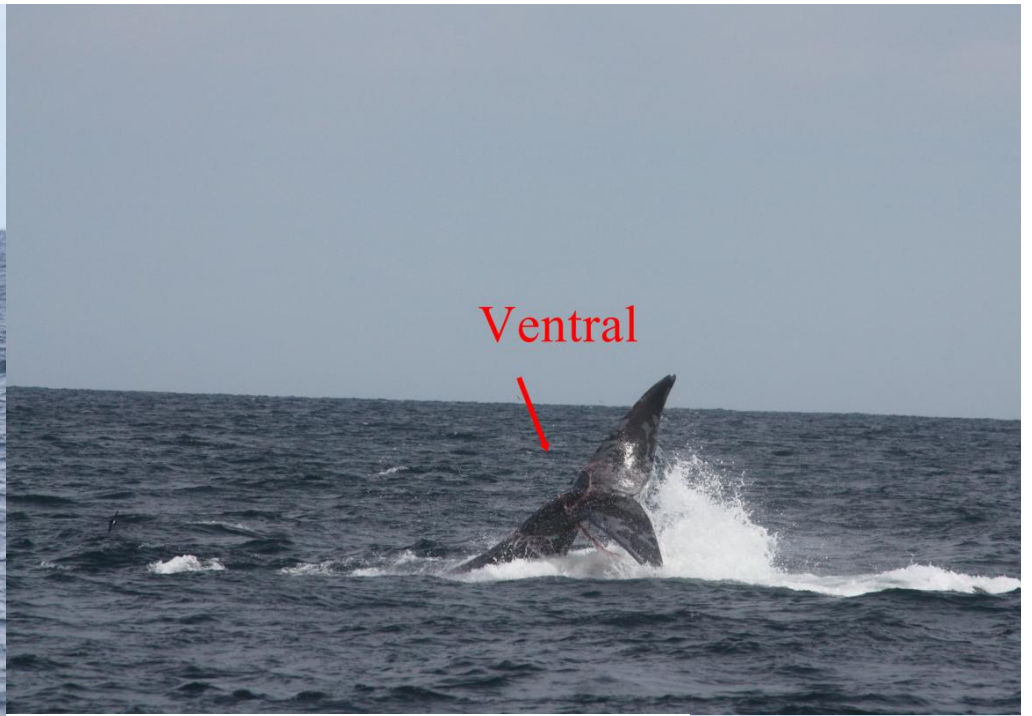
Reproductive prior to/after entanglement detection					
Entanglement injury severity				Low	
Entanglement configuration risk				High	
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	None	Low	Unk	Unk	Low
Duration of time carrying gear		Minimum 1 days, maximum 141 days			
Disentangled?		No			
Status		Presumed dead? Last seen in 2011 entangled			
Number of prior entanglements		1			

Entanglement configuration	Gillnet line and netting through mouth and around tail
Anchoring points	Mouthline, tail
Gear configuration confidence	Low
Remaining questions	Unknown if flippers involved
Comments	Whale thrashing, gear shifting

Polymer type		
Gear component		Floatline
Rope diameter (inches)		
Breaking strength (lbs)	Tested	
	New	



18 Sep 2011, Blue Ocean Society



18 Sep 2011, Blue Ocean Society



18 Sep 2011, Blue Ocean Society



Species	Right Whale	Whale ID	Eg # 3111
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Date first observed entangled (date seen prior without gear)		27 Sep 2011 (31 May 2011)			
Sex	Male	Birth year	2001	Age at entanglement	10

Case study ID	CCS	NMFS		GEAR ID
	WR-2011-34	E32-11		
Gear sample collected?	No	Gear type		

No drawing available

Reproductive prior to/after entanglement detection					
Entanglement injury severity				Severe	
Entanglement configuration risk				High	
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	Unk	Low	High	Medium	High
Duration of time carrying gear		Minimum 1 days, maximum 276 days			
Disentangled?		Yes, partial			
Status		Alive? Last seen in 2012			
Number of prior entanglements		4			

Entanglement configuration	Multiple ropes wrapped around left flipper and trailing around 20 ft behind flukes
Anchoring points	Flipper, mouthline?
Gear configuration confidence	High
Remaining questions	Uncertain if line went into left mouth
Comments	Peduncle injuries are not fully healed

Polymer type		
Gear component		
Rope diameter (inches)		
Breaking strength (lbs)	Tested	
	New	



27 Sep 2011, Campobello Whale Rescue



27 Sep 2011, Campobello Whale Rescue

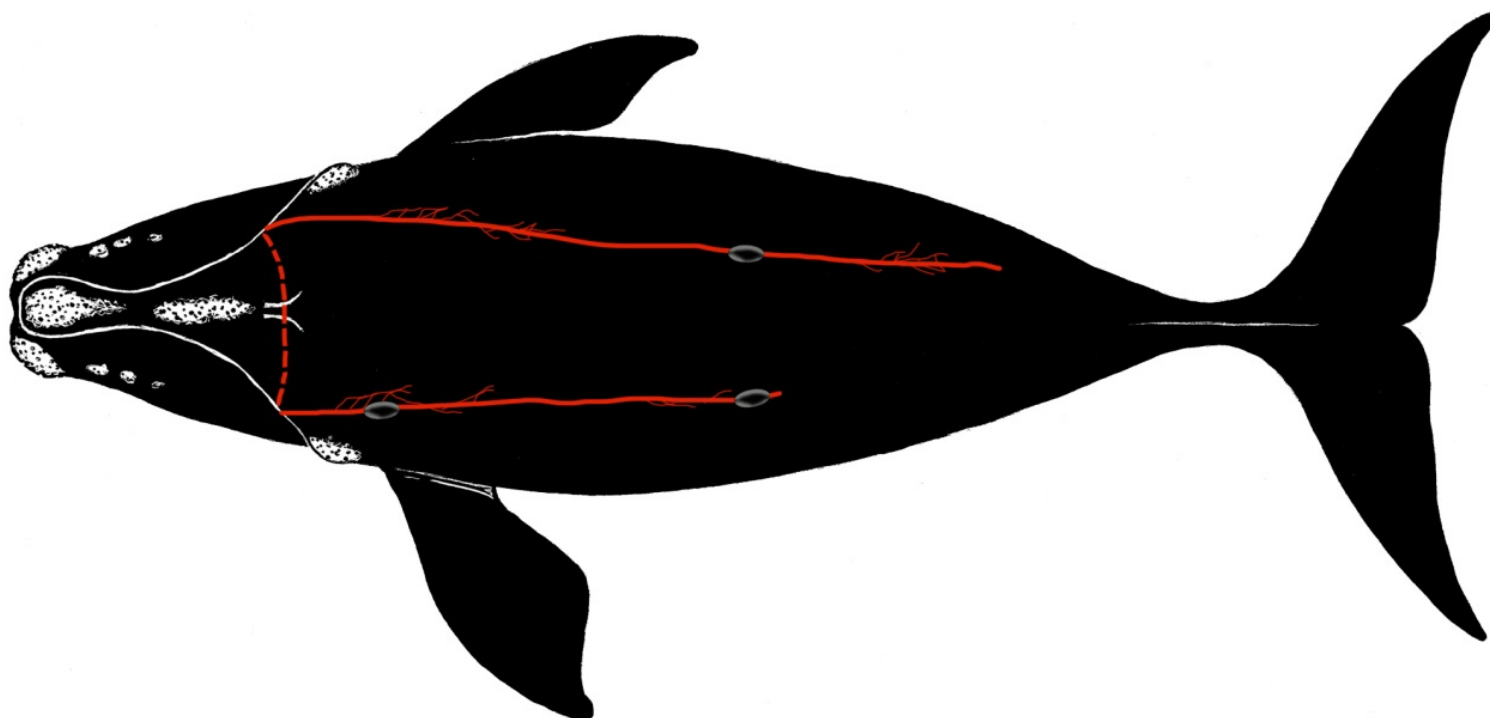


27 Sep 2011, New England Aquarium

«Comments»«Comments»Species	Right Whale	Whale ID	Eg # 3821
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Date first observed entangled (date seen prior without gear)	7 Jan 2012 (2 Sep 2011)				
Sex	Unk	Birth year	2008	Age at entanglement	4

Case study ID	CCS	NMFS		GEAR ID
	WR-2012-01	E01-12		
Gear sample collected?	No	Gear type	Gillnet	



Reproductive prior to/after entanglement detection					
Entanglement injury severity					Minor
Entanglement configuration risk					Low
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	Unk	None	Unk	None	Low
Duration of time carrying gear		Minimum 823 days, maximum 949 days			
Disentangled?		Yes			
Status		Alive – last seen in 2014			
Number of prior entanglements		2			

Entanglement configuration	Rope and netting through mouth
Anchoring points	Mouth
Gear configuration confidence	High
Remaining questions	
Comments	Remaining gear shed

Polymer type		
Gear component		
Rope diameter (inches)		
Breaking strength (lbs)	Tested	
	New	





7 Jan 2012, CCS

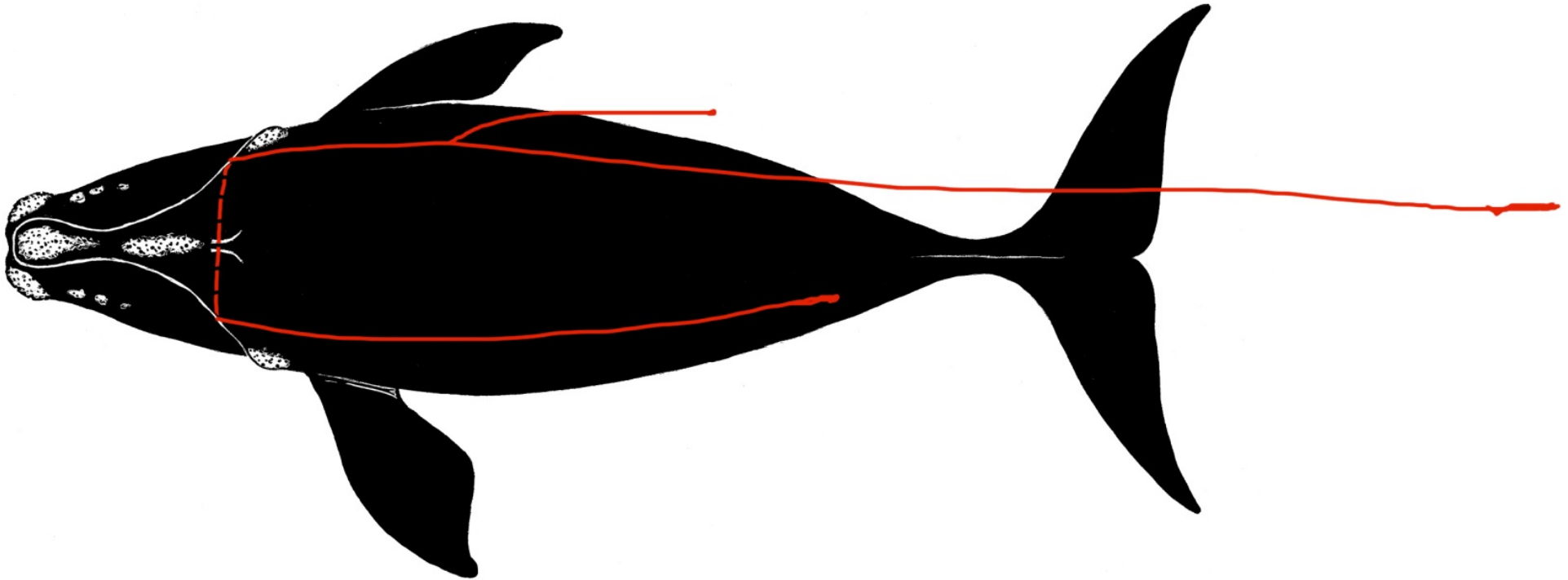


5 Feb 2012, CCS

Species	Right Whale	Whale ID	Eg # 1719
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Date first observed entangled (date seen prior without gear)		19 Jan 2012 (22 Apr 2011)	
Sex	Female	Birth year	Age at entanglement 26+

Case study ID	PCCS	NMFS	GEAR ID
	WR-2012-02	E02-12	
Gear sample collected?	No	Gear type	



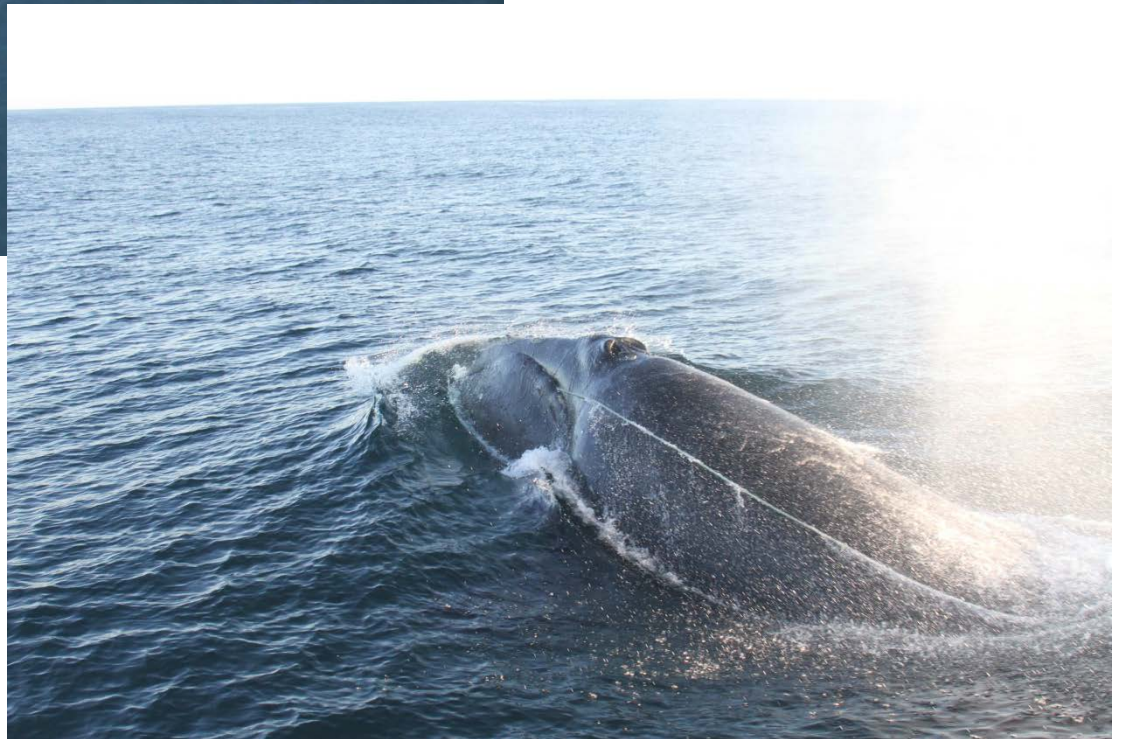
Reproductive prior to/after entanglement detection					No/ No
Entanglement injury severity					Moderate
Entanglement configuration risk					Low
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	Low	No	Unk	None	Medium
Duration of time carrying gear		Minimum 2 days, maximum 694 days			
Disentangled?		No			
Status		Alive – last seen in 2016			
Number of prior entanglements		2			

Entanglement configuration	Rope through mouth and not trailing behind body
Anchoring points	Mouth
Gear configuration confidence	High
Remaining questions	
Comments	Gear shed

Polymer type		
Gear component		
Rope diameter (inches)		
Breaking strength (lbs)	Tested	
	New	



19 Jan 2012, Sea to Shore Alliance



19 Jan 2012, Georgia DNR



Species	Right Whale	Whale ID	Eg # 3996
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Date first observed entangled (date seen prior without gear)		15 Feb 2012 (6 Oct 2011)			
Sex	Male	Birth year	2009	Age at entanglement	3

Case study ID	CCS	NMFS		GEAR ID
	WR-2012-05	E05-12		
Gear sample collected?	No	Gear type	Gillnet	

No drawing available

Reproductive prior to/after entanglement detection					
Entanglement injury severity				Moderate	
Entanglement configuration risk				High	
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	Unk	Medium	Unk	Low	Low
Duration of time carrying gear		Minimum 149 days, maximum unknown			
Disentangled?		No			
Status		Presumed dead? Last seen in 2012			
Number of prior entanglements		1			

Entanglement configuration	Rope goes through mouth on both sides and across rostrum, shifted forward and tightened over time
Anchoring points	Mouth
Gear configuration confidence	High
Remaining questions	Uncertain if right flipper involved
Comments	Rope embedded forward of blowholes

Polymer type		
Gear component		
Rope diameter (inches)		
Breaking strength (lbs)	Tested	
	New	

13 Apr 2012, CCS



9 Sep 2012, BOS

Species	Right Whale	Whale ID	Eg # Unid
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Date first observed entangled (date seen prior without gear)		23 Jul 2012 (Unknown)			
Sex	Female	Birth year		Age at entanglement	Unknown

Case study ID	CCS	DFO		GEAR ID
		86957		X-Canada 4
Gear sample collected?	Yes	Gear type		

No drawing available

Reproductive prior to/after entanglement detection				Unknown	
Entanglement injury severity				Severe	
Entanglement configuration risk				High	
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	Unk	Unk	Unk	Unk	High
Duration of time carrying gear		Minimum 1 day, maximum unknown			
Disentangled?		No			
Status		Dead			
Number of prior entanglements		Unknown			

Entanglement configuration	30 wraps of rope around tail; likely drowned in gear
Anchoring points	Tail
Gear configuration confidence	High
Remaining questions	
Comments	Carcass very decomposed; gear collected by DFO

Polymer type		Co-polymer
Gear component		
Rope diameter (inches)		7/8 (0.843)
Breaking strength (lbs)	Tested	2,600 (left in sun for 4 weeks after removal)
	New	12,800





23 July 2012, WWC Canada

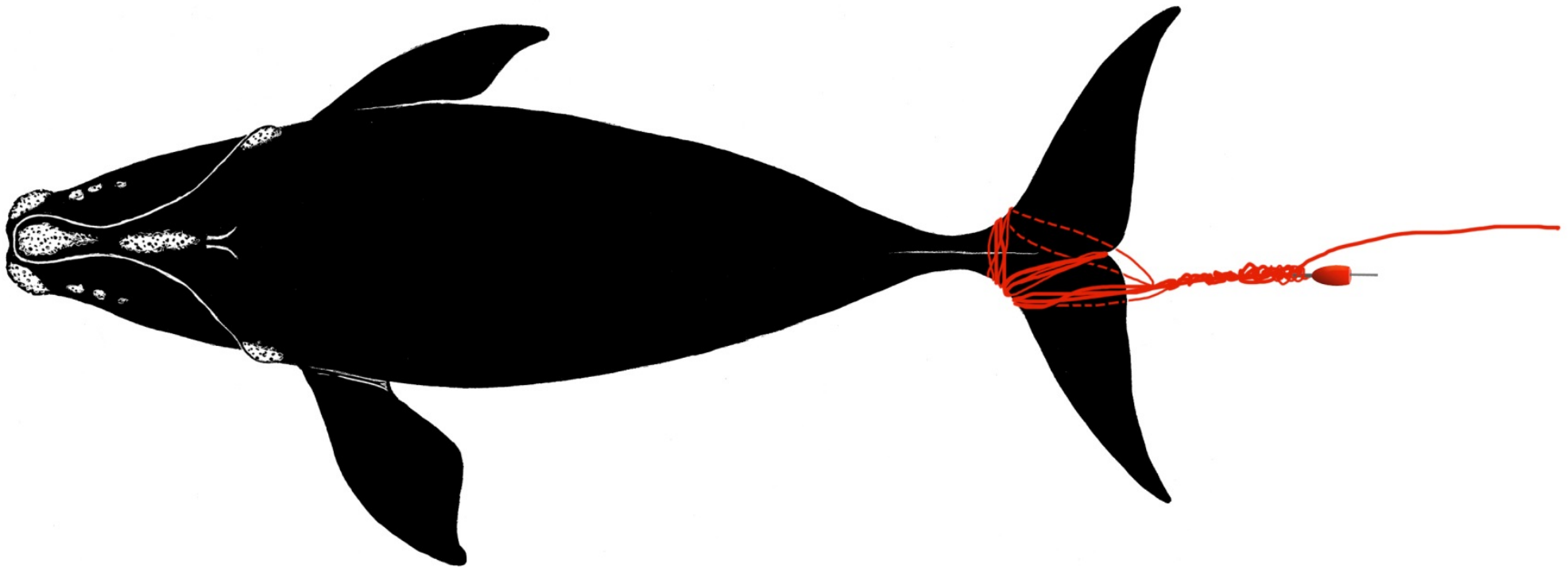


25 July 2012, UPEI

Species	Right Whale	Whale ID	Eg # 4193
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Date first observed entangled (date seen prior without gear)		18 Dec 2012 (28 Jan 2012)			
Sex	Male	Birth year	2011	Age at entanglement	2

Case study ID	PCCS	NMFS		GEAR ID
	WR-2012-42	E43-12		J121812 rw
Gear sample collected?	Yes	Gear type	NE trap/pot, nearshore	



Reproductive prior to/after entanglement detection					
Entanglement injury severity					Severe
Entanglement configuration risk					High
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	Medium	Medium	Medium	Medium	High
Duration of time carrying gear		Minimum 1 days, maximum 324 days			
Disentangled?		No			
Status		Dead			
Number of prior entanglements		0			

Entanglement configuration	Three endlines wrapped multiple times around tail
Anchoring points	Tail
Gear configuration confidence	High
Remaining questions	
Comments	Entanglement injuries evident at mouth and flippers

Polymer type		PET; PET/Copolymer; PP
Gear component		End lines with spindle buoys
Rope diameter (inches)		3/8 for all
Breaking strength (lbs)	Tested	
	New	2900; 3400; 2430





19 Dec 2012 UNCW/Florida FWC



19 Dec 2012 UNCW/Florida FWC



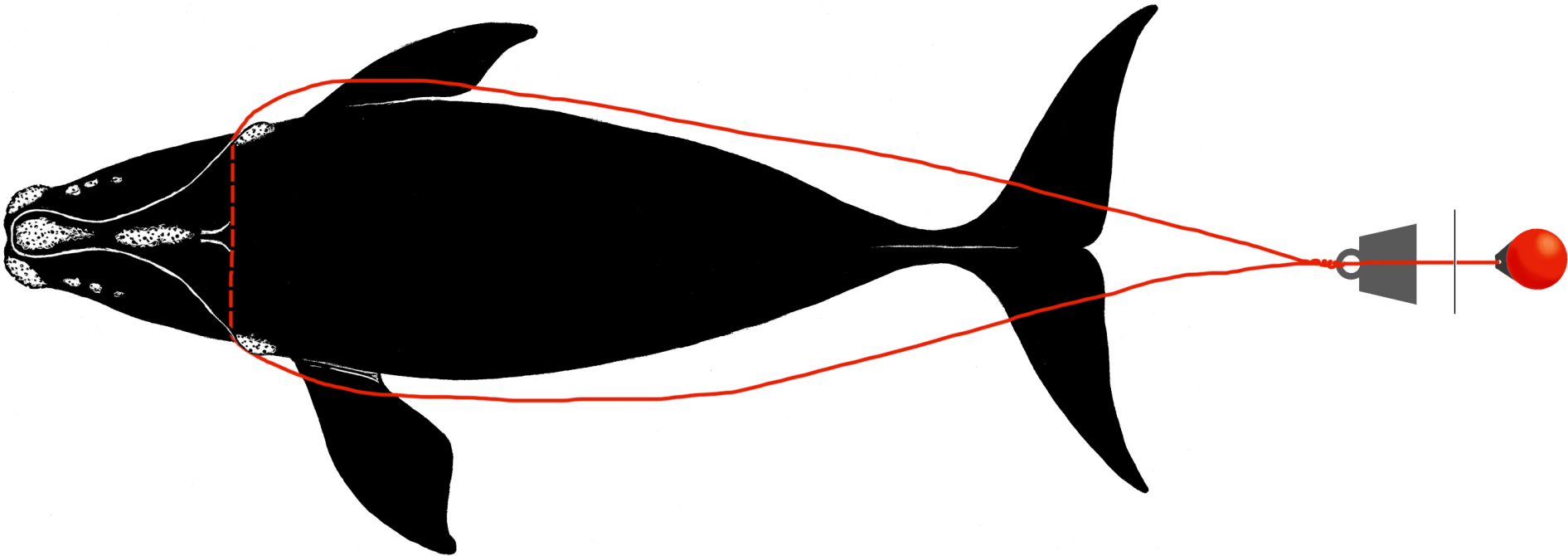
19 Dec 2012 UNCW/Florida FWC



Species	Right Whale	Whale ID	Eg # 3123
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Date first observed entangled (date seen prior without gear)		12 Jul 2013 (20 Mar 2012)			
Sex	Female	Birth year	2001	Age at entanglement	12

Case study ID	CCS	NMFS		GEAR ID
	WR-2013-04	E05-13		
Gear sample collected?		No	Gear type	



Reproductive prior to/after entanglement detection					Yes/No
Entanglement injury severity					Severe
Entanglement configuration risk					High
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	Medium	Medium	Medium	None	High
Duration of time carrying gear		Minimum 1 day, maximum 478 days			
Disentangled?		Yes, ad hoc disentanglement			
Status		Likely dead? No subsequent sightings			
Number of prior entanglements		4			

Entanglement configuration	Single line through mouth forming bridle leading to depth with two polyballs several hundred yards behind tail
Anchoring points	Mouthline
Gear configuration confidence	High
Remaining questions	
Comments	Tail injury suggests constant abrasion

Polymer type		
Gear component		
Rope diameter (inches)		
Breaking strength (lbs)	Tested	
	New	



12 Jul 2013 Opportunistic sighting



17 Jul 2013 SEFSC/AMPS



17 Jul 2013 SEFSC/AMPS

Species	Right Whale	Whale ID	Eg # 1311
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Date first observed entangled (date seen prior without gear)		11 Aug 2013 (21 Apr 2013)			
Sex	Male	Birth year	1983	Age at entanglement	30

Case study ID	CCS	NMFS		GEAR ID
	WR-2013-06			
Gear sample collected?	No	Gear type		

No drawing available

Reproductive prior to/after entanglement detection					Yes/No
Entanglement injury severity					Severe
Entanglement configuration risk					High
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	Medium	Medium	Unknown	Medium	Unknown
Duration of time carrying gear		Minimum 1 day, maximum 111 days			
Disentangled?		No			
Status		Dead			
Number of prior entanglements		2			

Entanglement configuration	Rope through mouth and baleen
Anchoring points	Mouthline
Gear configuration confidence	Low
Remaining questions	Uncertain if flippers or tail involved
Comments	Scavenged heavily by sharks, relatively fresh

Polymer type		
Gear component		
Rope diameter (inches)		
Breaking strength (lbs)	Tested	
	New	



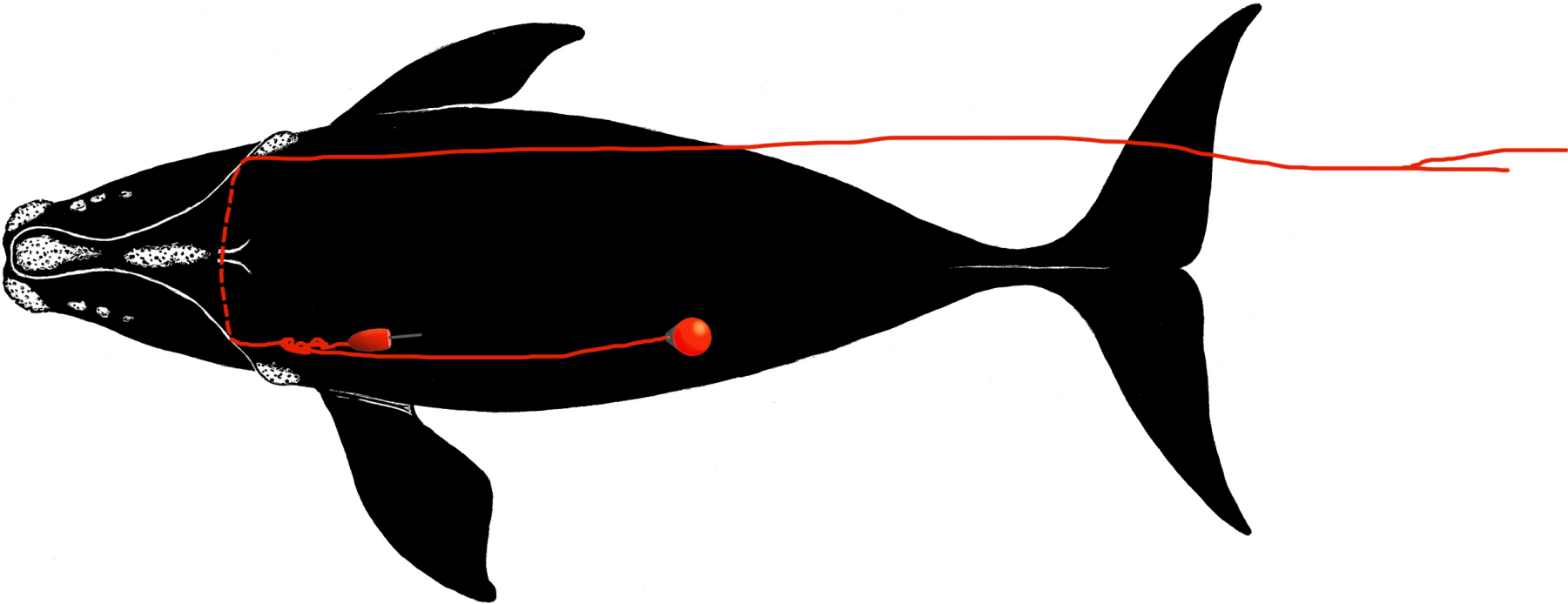


11 Aug 2013 Opportunistic sighting

Species	Right Whale	Whale ID	Eg # 3946
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Date first observed entangled (date seen prior without gear)		20 Sep 2013 (1 May 2013)			
Sex	Female	Birth year	2009	Age at entanglement	4

Case study ID	CCS	NMFS		GEAR ID
	WR-2013-09	E10-13		
Gear sample collected?		No	Gear type	



Reproductive prior to/after entanglement detection					
Entanglement injury severity					Moderate
Entanglement configuration risk					Low
Wound severity	Mouth	Head/ rostrum	Flippers	Body	Flukes
	Medium	Medium	Medium	Medium	Medium
Duration of time carrying gear		Minimum 1 day, maximum 326 days			
Disentangled?		No			
Status		Alive, last seen in 2016			
Number of prior entanglements		2			

Entanglement configuration	Line through mouth with polyball and small buoy on left side, no trailing gear
Anchoring points	Mouthline
Gear configuration confidence	High
Remaining questions	
Comments	Unusual lesions on back; gear shed

Polymer type		
Gear component		Endline
Rope diameter (inches)		
Breaking strength (lbs)	Tested	
	New	



20 Sep 2013 CWI/NEAq



20 Sep 2013 CWI/NEAq