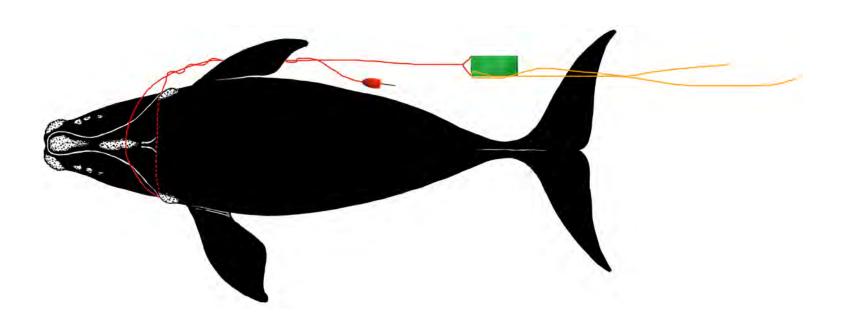
Date first observed entangled		26 Sep 2009		
(date seen prior without gear)		(10 Jul 2009)		
ĺ	Sex Unknown	Birth vear	2008	Age at entanglement 1

**Species Right Whale** 

Whale ID Eg #3821

Cana atudy ID	PCCS	NMFS	GEAR ID
Case study ID	WR-2009-29	E25-09	J092609-1
Gear sample collected? Yes		Gear type Lobster	



Reproductive prior to/af					
Entanglement injury severity			Minor		
Entanglement configuration risk			High		
W 1 %	Mouth	Head/ Rostrum	Flippers	Body	Flukes
Wound severity	Low	Low	None	None	None
Duration of time carrying gear		Minimum 1 day, maximum 76 days			
	Yes - 26 Sep	Sep 2009			
	Alive - Last sighted in 2014				
Number of prior entangleme	None				

Entanglement configuration	Single trap and buoy line caught in the gape of the mouth and wrapped over upper jaw.
Anchoring point(s)	Mouthline
Gear configuration confidence	High
Remaining questions	
Comments	Original entanglement picked up other gear as whale
	traveled.

Polymer type		PP/PET
Gear component		Vertical line
Rope diameter (inches)		3/8 (0.375)
Breaking	Tested	2 140
strength (lbs)	New	2 600



26 Sep 2009 PCCS



26 Sep 2009 PCCS

## **DATA SHEET**

## FORENSIC ANALYSIS OF ROPES WHALE ENTANGLEMENT PROJECT

SPECIMEN ID NO. J092609rw

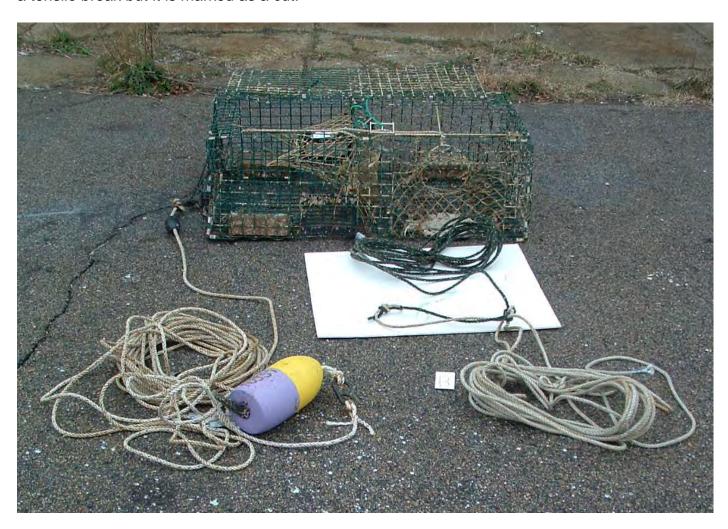
NMFS NO. E25-09

## Gear Description:

This is a complete single lobster trap gear set. The end line attached to the buoy was in two pieces of sink line,  $\frac{5}{16}$  inch and  $\frac{3}{8}$  inch, joined by a splice. A second line of two pieces, seen to the right, did not appear to be part of this gear set.

The bridle connecting the trap to the end line was  $\frac{5}{16}$  inch black mono polypropylene. No specimen was taken.

The third photo shows the extraneous lines and their assembly. The frayed end appears to be a tensile break but it is marked as a cut.







A weak link was placed below the buoy and connected by dipping spliced eyes together.

Bungee cord was inserted into the end line to control ascent of the float seen in the middle photo. A second bungee cord near the buoy was used as a gear marker.

## Rope description:

J092609-1a This is a  $\frac{3}{8}$  inch combo sink rope with polyester over polypropylene fiber. This was one segment of the end line. Purple marker yarn in one strand.

Tested (T) or adjusted (A)	Typical new strength	Rope condition
strength		
2,140 lbs (T)	2,600 lbs	Good

J092609-1b This is a  $\,^{5}/_{16}$  inch combo sink rope with polyester over polypropylene fiber. This was the second segment of the end line. There are 3 yarns/strand plus purple yarn in one strand. Not tested

J092609-2 This is a  $^{5}/_{16}$  inch combo sink rope with polyester over Polysteel fiber. There are 3 yarns/strand plus red tracer. This was a segment of the line deemed not part of the set.

Tested (T) or adjusted (A) strength	Typical new strength	Rope condition
1,850 lbs (T)	2400 lbs	Good

J092609-3 This is a  $^{3}$ / $_{8}$  inch polypropylene fiber float rope, black with a green marker yarn in one strand. This was the second segment of the line deemed not part of the set. There are 3 yarns/strand plus one green yarns in one strand.

Tested (T) or adjusted (A)	Typical new strength	Rope condition
strength		
1,790 lbs (T)	2,430 lbs	Fair



J092609-1a and J092609-1b Lines identical except for size



J092609-2



J092609-3