

# 2009 Large Whale Entanglement and Ship Strike Report

*updated 1 November 2011*

Prepared by  
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Table 1. 2009 large whale entanglement reports for live entangled whales.

## Indication of Entanglement\* - Live Whales

	Live	Dead	TOTAL
Right Whale	7	0	7
Humpback Whale	15	1	16
Finback Whale	3	0	3
Minke Whale	3	1	4
Sei Whale	0	0	0
Unknown	1	0	1
<b>TOTAL</b>	<b>29</b>	<b>2</b>	<b>31</b>

\* "Indication of Entanglement" is marked for cases where one or more of the following applies:

- Gear was reported on a whale by a reliable observer.
- Gear was photo-documented on a whale.
- Gear was retrieved from a whale.
- Gear was reported on a whale by an inexperienced observer who was interviewed by National Marine Fisheries Service (NMFS) or Provincetown Center for Coastal Studies (PCCS) staff and the account was descriptive enough to eliminate doubt about whether or not the whale was entangled.

Table 2. 2009 large whale ship strike reports for live whales.

Indication of Ship Strike\*

	Confirmed	Suspected	TOTAL
Right Whale	2	0	2
Humpback Whale	2	1	3
Fin Whale	0	1	1
Minke Whale	1	0	1
Sei Whale	1	0	1
Bryde's Whale	1	0	1
Unknown	3	1	4
TOTAL	10	3	13

\* "Indication of Ship Strike" is marked 'Confirmed' for cases where one or more of the following applies:

- A vessel reports a collision and visually confirms a whale either before or after the strike, or sights blood in the water following indication of collision.
- A vessel comes into port with a whale on its bow and necropsy or other analysis by a qualified individual indicates the strike was pre-mortem.
- An experienced observer reports witnessing a vessel strike a whale.
- A necropsy concludes that injuries consistent with ship strike were pre-mortem
- An experienced observer sights a live whale with fresh wounds consistent with ship strike, or reviews photographs and indicates that the wounds present are fresh wounds consistent with ship strike.
- An inexperienced observer reports witnessing a vessel strike a whale, and interview by NMFS or PCCS staff reveals the account was descriptive enough to eliminate doubt as to whether or not the whale was struck by a vessel.

"Indication of Ship Strike" is marked 'Suspected' for cases where one or more of the following applies:

- A vessel reports a strike, but either felt a shudder or other indication of collision without seeing whales nearby or saw an injured whale surface nearby with no indication that the vessel struck something.
- A vessel comes into port with a whale on its bow, but it cannot be confirmed that the strike was pre-mortem.
- A carcass bears indications of wounds consistent with ship strike, but it cannot be confirmed by necropsy that the wounds were pre-mortem.
- Any of the above "confirmed" scenarios is described/witnessed by an inexperienced observer, and the event cannot be confirmed via photograph or other means by an experienced individual.

## Wounds, condition and NMFS serious injury and mortality determination

Descriptions of wounds and condition in this report were based on the preliminary information at the time of the event. Analysis of data and final classifications were undertaken separately as part of the serious injury and mortality determinations done by NMFS Northeast Fisheries Science Center (NEFSC). All entanglement and ship strike cases may obtain new information outside of the production time frame of this report which may alter any determination or status. Whales not deemed a serious injury or mortality by NEFSC are categorized in this report as a human-induced injury. Deceased animals that have no gear documented or witnessed with a Cause of Death determined to be entanglement will not be listed in this report but rather the NEFSC Mortality and Serious Injury report. The report "Mortality and Serious Injury Determinations for Baleen Whale Stocks along the Gulf of Mexico, United States and Canadian Eastern Seaboards, 2005-2009" is available online at <http://www.nefsc.noaa.gov/publications/crd/crd1118/>.

### NOTE:

- Entanglement case information within this report has been compiled from numerous resources including U.S. and Canadian federal governments, U.S. state agencies and partners within the Atlantic Large Whale Disentanglement Network. The reports represent all known U.S. coast-wide large whale entanglement data including animals that fall under U.S. regulations but were outside U.S. borders (ex. right whales, Gulf of Maine humpback whales), but should be considered a minimum number and not comprehensive.
- Ship strike cases are reported opportunistically to NMFS Northeast Regional Office from U.S. and Canadian Atlantic waters. The reports represent all known coast-wide large whale ship strike data, but should be considered a minimum number and not comprehensive.
- Gear analysis was conducted by NOAA staff on recovered gear or through owner interviews when applicable. All analysis is quantitative in nature and any qualitative information is outside the scope of this report.
- New England Aquarium and the Right Whale Consortium provided sighting and life history information for right whales.
- Life history and sighting information for humpback whales was provided by PCCS, with contributions from Blue Ocean Society, Brier Island Whale and Seabird Cruises and The Whale Center of New England. Please contact Jooke Robbins of PCCS for more information.
- Scott Landry of PCCS supplied the entanglement diagrams.
- Many thanks to numerous NMFS staff that offered helpful comments.

Table 3. Key for acronyms used in this report

ALWDN	Atlantic Large Whale Disentanglement Network
CCSN	Cape Cod Stranding Network, MA
COA	College of the Atlantic, ME
CWR	Campobello Whale Rescue (Canada)
DFO	Department of Fisheries and Oceans (Canada)
ECE	East Coast Ecosystems (Canada)
EWS	Early Warning System
FRC	Fast Response Craft
FWC	Florida Fish and Wildlife Conservation Commission
GA DNR	Georgia Department of Natural Resources
GMWSRS	Grand Manan Whale and Seabird Research Station (Canada)
IFAW	International Fund for Animal Welfare
MA DMF	Massachusetts Division of Marine Fisheries
MD DNR	Maryland Department of Natural Resources
ME DMR	Maine Department of Marine Resources
MEP	Massachusetts Environmental Police
MMP	Maine Marine Patrol
MERR	Marine Education Research and Rehabilitation Institute, DE
MMSC	Marine Mammal Stranding Center, NJ
NAIB	National Aquarium in Baltimore, MD
NEAq	New England Aquarium Right Whale Research Team, MA
NEFSC	NMFS Protected Species Branch, Northeast Fisheries Science Center
NMFS	National Marine Fisheries Service
NMFS SAS	NMFS Sightings Advisory System, Protected Resources Branch, NEFSC
NOAA	National Oceanic and Atmospheric Administration
PCCS	Provincetown Center for Coastal Studies, MA
RI DEM	Rhode Island Department of Environmental Management
RIEP	Rhode Island Environmental Police
SAG	Surface Active Group
SBNMS	Stellwagen Bank National Marine Sanctuary, MA
SEFSC	NMFS Protected Species Branch, Southeast Fisheries Science Center
UNC-W	University of North Carolina, Wilmington
USCG	United States Coast Guard
VMSM	Virginia Marine Science Museum
WCNE	The Whale Center of New England, MA
WHOI	Woods Hole Oceanographic Institution, MA
WT	Wildlife Trust
WW	Whale Watch

Table 4. Entanglement summary for 2009 confirmed cases.

Entanglement Report Number	Species	Date of Report	Dead/Alive	SI Determination	Gear Collected	Type of Gear	Gear part ID
<a href="#">E01-09</a>	Right	1/14/2009	Alive	SI	Yes	Trap/pot	V,G
<a href="#">E02-09</a>	Right	1/31/2009	Alive	Non-SI	Yes	U	U
<a href="#">E03-09</a>	Right	2/7/2009	Alive	Non-SI	Yes	U	U
<a href="#">E04-09</a>	Humpback	2/25/2009	Alive	SI	No	U	N/A
<a href="#">E05-09</a>	Humpback	3/17/2009	Alive	Non-SI	No	U	N/A
<a href="#">E06-09</a>	Humpback	4/9/2009	Alive	Non-SI	No	U	N/A
<a href="#">E07-09</a>	Humpback	4/11/2009	Alive	Non-SI	No	U	N/A
<a href="#">E08-09</a>	Humpback	4/20/2009	Alive	Non-SI	Yes	U	S,V
<a href="#">E09-09</a>	Fin	4/27/2009	Alive	Non-SI	No	U	N/A
<a href="#">E10-09</a>	Humpback	5/4/2009	Alive	Non-SI	Yes	Lobster trap & U	V,U
<a href="#">E11-09</a>	Humpback	5/23/2009	Alive	Non-SI	No	U	N/A
<a href="#">E12-09</a>	Humpback	5/23/2009	Alive	Non-SI	No	U	N/A
<a href="#">E13-09</a>	Humpback	6/6/2009	Alive	Non-SI	No	U	N/A
<a href="#">E14-09</a>	Humpback	6/9/2009	Alive	SI	No	U	N/A
<a href="#">E15-09</a>	Right	7/18/2009	Alive	Non-SI	No	U	N/A
<a href="#">E16-09</a>	Unknown	8/3/2009	Alive	Non-SI	No	U	N/A
<a href="#">E17-09</a>	Minke	8/11/2009	Alive	SI	No	U	N/A
<a href="#">E18-09</a>	Humpback	8/14/2009	Alive	Non-SI	No	Hook & Line	N/A
<a href="#">E19-09</a>	Humpback	8/17/2009	Dead	Non-SI	No	U	N/A
<a href="#">E20-09</a>	Minke	8/17/2009	Dead	Non-SI	No	U	N/A
<a href="#">E21-09</a>	Minke	9/2/2009	Alive	Non-SI	No	U	N/A
<a href="#">E22-09</a>	Right	9/4/2009	Alive	Non-SI	No	U	N/A
<a href="#">E23-09</a>	Fin	9/9/2009	Alive	Non-SI	Yes	U	N/A
<a href="#">E24-09</a>	Humpback	9/20/2009	Alive	Non-SI	No	Monofilament line	N/A
<a href="#">E25-09</a>	Right	9/26/2009	Alive	Non-SI	Yes	Lobster trap	V
<a href="#">E26-09</a>	Fin	10/9/2009	Alive	Non-SI	Yes	U	N/A
<a href="#">E27-09</a>	Minke	10/11/2009	Alive	Non-SI	No	Trawl	N/A
<a href="#">E28-09</a>	Humpback	10/21/2009	Alive	Non-SI	Yes	Lobster trap	V
<a href="#">E29-09</a>	Humpback	11/20/2009	Alive	Non-SI	No	U	N/A

Table 4. Entanglement summary continued

Entanglement Report Number	Species	Date of Report	Dead/Alive	SI Determination	Gear Collected	Type of Gear	Gear part ID
<a href="#">E30-09</a>	Right	11/26/2009	Alive	Non-SI	No	U	N/A
<a href="#">E31-09</a>	Humpback	12/9/2009	Alive	SI	Yes	Gillnet	N

Table 4 notes – Dead/Alive column represents the latest known status as of the writing of this report.

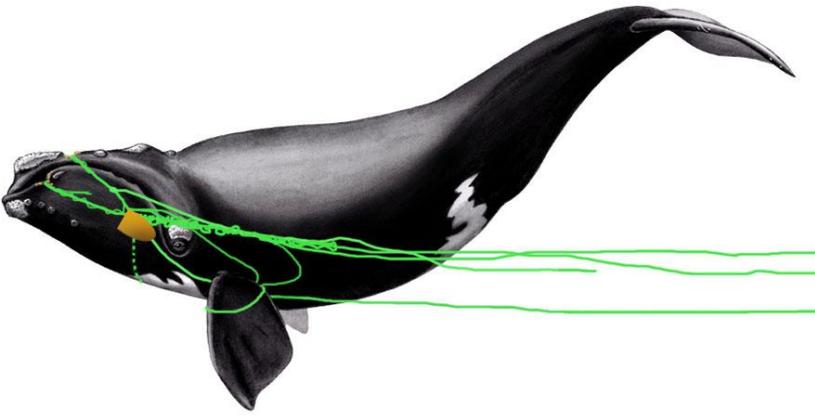
Abbreviations within the Vertical/Ground Line ID and Type of Gear: V = Vertical/End Line; S = Surface System; G = Ground Line; N = Gillnet/Mesh; U = Unknown, gear type could not be determined; N/A = Not applicable, no gear was analyzed. SI determination: SI = Serious injury or mortality was determined to be the primary cause from entanglement; Non-SI = no serious injury or mortality caused by the entanglement. Any combination of codes is possible although each code will only be listed once, regardless if different types of gear were involved. This column may not represent all portions of the true initial entanglement as gear could have been shed before the first observation. Gear portions identified may not represent the section that initially caused the entanglement.

Table 5. Ship strike summary for 2009 cases. There were 12 reported ship strikes in 2009. Please note that this number includes cases in which whales were observed with indications of ship strikes, but it could not be confirmed that the interaction was pre-mortem. Dead/Alive column represents the latest known status as of the writing of this report. SI determination: SI = Serious injury or mortality caused by the ship strike; Non-SI = no serious injury or mortality caused by the ship strike.

Ship Strike Report Number	Species	Date of Report	Dead/Alive	SI Determination	Location
<a href="#">SS01-09</a>	Unknown	3/31/2009	Alive	Non-SI	Hilton Head, SC
<a href="#">SS02-09</a>	Right	4/19/2009	Alive	Non-SI	Scituate, MA
<a href="#">SS03-09</a>	Sei	5/19/2009	Dead	SI	Rehoboth Beach, DE
<a href="#">SS04-09</a>	Minke	5/20/2009	Dead	SI	Point Pleasant, NJ
<a href="#">SS05-09</a>	Unknown	5/29/2009	Alive	Non-SI	Point Pleasant, NJ
<a href="#">SS06-09</a>	Humpback	6/17/2009	Alive	Non-SI	Stellwagen Bank
<a href="#">SS07-09</a>	Unknown	6/20/2009	Alive	Non-SI	Off Race Point, MA
<a href="#">SS08-09</a>	Humpback	7/21/2009	Alive	Non-SI	Stellwagen Bank
<a href="#">SS09-09</a>	Humpback	7/28/2009	Alive	Non-SI	Stellwagen Bank
<a href="#">SS10-09</a>	Fin	10/1/2009	Dead	SI	Port Elizabeth, NJ
<a href="#">SS11-09</a>	Bryde's	10/4/2009	Dead	SI	Tampa Bay, FL
<a href="#">SS12-09</a>	Unknown	10/8/2009	Alive	Non-SI	Stellwagen Bank
<a href="#">SS13-09</a>	Right	12/14/2009	Alive	Non-SI	Cape Henry, VA

# 2009 Entanglements

<b>NMFS No.</b>	E01-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Entangled, possibly gear free
<b>Date 1st Observed Entangled</b>	1/14/2009
<b>Species</b>	Right
<b>Individual ID</b>	#3311, Bridle
<b>Location 1st Observed Entangled</b>	15 NM east of Brunswick, GA
<b>Latitude/Longitude 1st Observed Entangled</b>	31° 08.596'N      81° 05.835'W
<b>Event Description</b>	<p>1/14/09</p> <ul style="list-style-type: none"> <li>• Whale was sighted by GA WT aerial survey. GA DNR responded and documented a life-threatening entanglement. Due to the difficulty of the case and limited resources a telemetry buoy was attached to provide future disentanglement attempts. During the application of the telemetry buoy some of the entangling gear was removed.</li> </ul> <p>1/15/09 – 1/18/09</p> <ul style="list-style-type: none"> <li>• FWC aerial survey relocated and documented the animal. Rescue teams waited for favorable weather to conduct disentanglement.</li> </ul> <p>1/22/09</p> <ul style="list-style-type: none"> <li>• Traditional disentanglement techniques were attempted but all failed partially due to a very evasive whale.</li> </ul> <p>1/23/09</p> <ul style="list-style-type: none"> <li>• Animal received remote injections of chemical sedatives under guidance from veterinarians to aid disentanglement effort. Despite successful injections, the whale was still evasive and foiled all disentanglement efforts.</li> </ul> <p>2/1/09</p> <ul style="list-style-type: none"> <li>• During the next good weather day with the whale close to shore, GA DNR disentanglement team and GA WT aerial survey relocated the whale and attempted disentanglement. Whale again continued to be evasive and no cuts were made.</li> </ul> <p>2/2/09 – 3/3/09</p> <ul style="list-style-type: none"> <li>• Whale traveled up and down the U.S. east coast and was</li> </ul>

	<p>tracked with telemetry. Bad weather and sporadic telemetry hits prevented any efforts.</p> <p>3/3/09 - 3/4/09</p> <ul style="list-style-type: none"> <li>FWC aerial survey located and documented the whale. Whale's health had deteriorated since sighting over one month prior.</li> </ul> <p>3/5/09</p> <ul style="list-style-type: none"> <li>A multi-agency effort successfully administered chemical sedatives which had a noticeable effect on the evasiveness of the whale. Disentanglement team was able to approach the animal and made cuts which allowed for retrieval of most of the gear. The threat of the remaining gear was lower due to the cut; however, the overall condition of the whale indicated the recovery of the individual remained in question.</li> </ul>
<p><b>Description of Gear on Whale as Reported</b></p>	
<p><b>A. During Initial Sighting</b></p>	<p>Multiple lines exited both sides of the mouth and trailed down the left side of the body. Lines were constrictive and embedded on the upper and lower mandibles.</p>
<p><b>B. Subsequent Descriptions</b></p>	<p>Multiple pieces of trailing line were removed during various attempts. The cut under sedation on 3/5/09 changed the configuration so that one single line was trailing from the lower mandible wound and another single line from the upper mandible wound.</p>
<p><b>C. Diagram of Entangling Gear on Whale</b></p>	
<p><b>Description of Wounds/Condition</b></p>	
<p><b>A. During Initial Sighting</b></p>	<p>Lines were embedded on the upper and lower mandibles. Recent entanglement trauma was also visible on the caudal peduncle though no gear was present in this region.</p>
<p><b>B. Subsequent Descriptions</b></p>	<p>Lines were embedded deeper during March sightings. Whale appeared noticeably thinner and was covered in parasites around the</p>

	head area.
<b>Sighting Prior to Entanglement</b>	4/21/08
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown sex, born in 2003
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced serious injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E01-09		
Field No.	J 011409 rw	Date 1 <sup>st</sup> Observed	1/14/09
Location 1 <sup>st</sup> Observed	15 NM east of Brunswick, GA 31° 08.6' N, 81° 05.8' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Partial Disentanglement
Species	Right	Gear Recovered (y/n)	Yes
Individual ID	Eg # 3311	Gear Analysis Conducted (y/n)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		1/14/09 3/6/09	Gear Retrieved By		GA DNR NMFS
Date Gear Received		3/9/09 3/10/09	Received From		GA DNR NMFS
Sources:	USCG		Date Set		
	CCS		Date Lost		
	Fisherman		Location		
	Other		Depth		
			Bottom Type		
Gear Type:	Trap/pot		Target Species:		
<p><u>Gear Description:</u> A total of approximately 150 fathoms of 9/16" diameter float rope. There are 3 gangions present and what looks like the remnants of a fourth. One of the gangions is terminated with an eye splice through a 'G' hook. A mating 'G' hook is attached to it with nothing on it. One end of the 9/16" rope also terminates with an eye splice to a 'G' hook.</p>					
<p><u>Comments:</u></p>					
<p><u>Conclusions:</u> While a specific fishery cannot be identified, this gear has endline and groundline characteristics consistent with fixed trap/pot gear.</p>					
Report By:	John F. Kenney	Date:	1/5/11	Current Location of Gear	NMFS, RI

<b>NMFS No.</b>	E02-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear free
<b>Date 1st Observed Entangled</b>	1/31/2009
<b>Species</b>	Right
<b>Individual ID</b>	#3420, Platypus
<b>Location 1st Observed Entangled</b>	23.8 NM east of St. Marys Inlet, FL
<b>Latitude/Longitude 1st Observed Entangled</b>	30° 46.6'N      80° 59.5'W
<b>Event Description</b>	<p>1/31/09</p> <ul style="list-style-type: none"> <li>• NEAq aerial survey located animal off Georgia and contacted NOAA and GA DNR response team. GA DNR assessed and documented the whale in a life-threatening entanglement. A telemetry buoy was attached to provide future opportunities of disentanglement.</li> </ul> <p>2/1/09 – 2/11/09</p> <ul style="list-style-type: none"> <li>• Whale traveled up the U.S. east coast. Bad weather and sporadic telemetry hits prevented any disentanglement attempts.</li> </ul> <p>2/12/09</p> <ul style="list-style-type: none"> <li>• Telemetry buoy went adrift and was retrieved several weeks later by USCG with some of the entangling gear attached. It was unknown at this time if the whale was gear free.</li> </ul> <p>8/28/09</p> <ul style="list-style-type: none"> <li>• NEAq relocated the whale in the Bay of Fundy and it appeared the whale was gear free but incomplete documentation prevented confirmation.</li> </ul> <p>2/19/10</p> <ul style="list-style-type: none"> <li>• WT South Carolina aerial survey spotted the animal and confirmed the whale was gear free.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Lines exited from both sides of mouth, with left line leading over the back towards the right flipper along with the right line. It was unknown if the flipper was directly entangled. Line then trailed from the flipper and extended beyond the fluke by about one whale body length.

<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	Head, chin, flippers and caudal peduncle area all showed heavy entanglement trauma.
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	9/13/08
<b>Re-sightings Post-entanglement</b>	2/19/10
<b>Life History Information</b>	Female, born in 2004
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

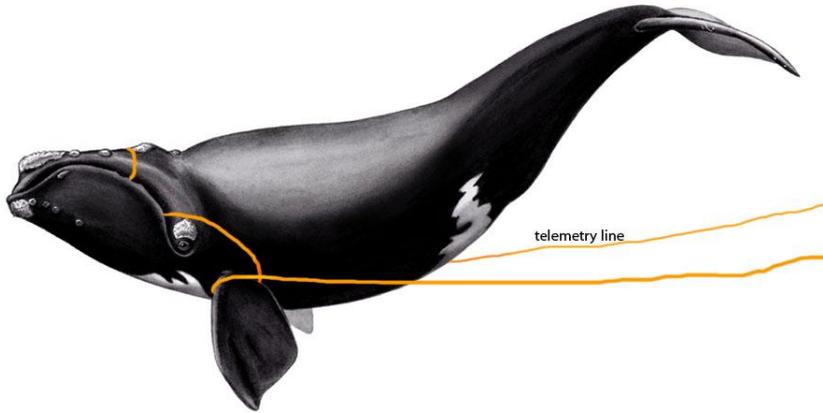
NMFS No.	E02-09		
Field No.	J 013109 rw	Date 1 <sup>st</sup> Observed	1/31/09
Location 1 <sup>st</sup> Observed	23.8 NM east of St. Marys Inlet, FL 30° 46.6' N, 80° 59.5' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Right	Gear Recovered (y/n)	Yes
Individual ID	Eg # 3420	Gear Analysis Conducted (y/n)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	2/25/09	Gear Retrieved By	NMFS
Date Gear Received	3/5/09	Received From	NMFS
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Depth	
		Bottom Type	
Gear Type:	Unknown	Target Species:	
<p><u>Gear Description:</u> Approximately 50 feet of poly rope was recovered with the telemetry buoy on 2/25/09. It was made up of 2 pieces spliced together, one 3/8" diameter and about 37 feet long, gray in color with a double green and single yellow tracer in one of the strands. The other piece is about 13 feet long, green with a single blue tracer in one strand. This section was frayed for its entire length.</p>			
<p><u>Comments:</u></p>			
<p><u>Conclusions:</u> The gear recovered consists only of rope of which the gear type and part cannot be determined.</p>			
Report By:	John F. Kenney	Date:	1/5/11
		Current Location of Gear	NMFS, RI

<b>NMFS No.</b>	E03-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear free
<b>Date 1st Observed Entangled</b>	2/7/2009
<b>Species</b>	Right
<b>Individual ID</b>	#3714, Sawtooth
<b>Location 1st Observed Entangled</b>	16.4 NM southeast of Brunswick, GA
<b>Latitude/Longitude 1st Observed Entangled</b>	30° 54.257'N      81° 13.15'W
<b>Event Description</b>	<p>2/7/09</p> <ul style="list-style-type: none"> <li>GA WT aerial survey noticed the entanglement in post flight documentation analysis.</li> </ul> <p>2/9/09</p> <ul style="list-style-type: none"> <li>GA WT aerial survey relocated the animal and contacted the GA DNR rescue team to respond. Rescue team attempted to cut rostrum wrap but whale proved evasive. Team then attached a telemetry buoy to allow for future disentanglement attempts. A portion of the gear was removed and recovered.</li> </ul> <p>2/12/09</p> <ul style="list-style-type: none"> <li>A multi-agency response including representatives from every local response group and aerial team managed to cut the rostrum wrap and remove some of the trailing gear. A small piece of line remained trailing from the right side of the mouth.</li> </ul> <p>3/10/09</p> <ul style="list-style-type: none"> <li>Whale was spotted by MA DMF/PCCS aerial team in Cape Cod Bay. Animal was believed to be gear free but the team could not confirm the status because of poor documentation conditions.</li> </ul> <p>5/1/10</p> <ul style="list-style-type: none"> <li>Whale confirmed to be gear free by NEFSC aerial survey.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Single wrap of line over the rostrum with line exiting both sides of the mouth. Left pectoral flipper appeared wrapped at least once with line from the left side of the mouth.
<b>B. Subsequent Descriptions</b>	Small piece of line trailing from the right mouth.

**C. Diagram of Entangling Gear on Whale**



**Description of Wounds/Condition**

**A. During Initial Sighting**

Whale appeared thin with some entanglement trauma on the rostrum.

**B. Subsequent Descriptions**

None noted

**Sighting prior to entanglement**

1/5/09

**Re-sightings Post-entanglement**

None

**Life History Information**

Male, born in 2007

**NMFS Serious Injury/Mortality Determination**

Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E03-09		
Field No.	J 020709 rw	Date 1 <sup>st</sup> Observed	2/7/09
Location 1 <sup>st</sup> Observed	18 nm SSE of Brunswick, GA 30° 54.3' N 81° 13.2' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Partial Disentanglement
Species	Right	Gear Recovered (y/n)	Yes
Individual ID	Eg # 3714	Gear Analysis Conducted (y/n)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	2/9/09 & 2/12/09		Gear Retrieved By	GA DNR
Date Gear Received	3/2/09		Received From	NMFS, Pascagoula
Sources:	USCG		Date Set	
	CCS		Date Lost	
	Fisherman		Location	
	Other		Depth	
			Bottom Type	
Gear Type:	Unknown		Target Species:	
<p><u>Gear Description:</u> Two lengths of 3/8" diameter floating poly rope, black with a white tracer in one of the strands. The length removed on 2/9/09 is 5 feet long and has one frayed end. The 2<sup>nd</sup> length, removed on 2/12/09 is 58 feet long.</p>				
<p><u>Comments:</u></p>				
<p><u>Conclusions:</u> The gear recovered consists only of rope of which the gear type and part cannot be determined.</p>				
Report By:	John F. Kenney	Date:	1/6/11	Current Location of Gear
				NMFS, RI

<b>NMFS No.</b>	E04-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear free
<b>Date 1st Observed Entangled</b>	2/25/2009
<b>Species</b>	Humpback
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	9 NM east of Sandy Hook, NJ
<b>Latitude/Longitude 1st Observed Entangled</b>	40° 23.015'N      73° 46.598'W
<b>Event Description</b>	<p>2/25/09</p> <ul style="list-style-type: none"> <li>• While attempting to recover a telemetry buoy shed by case E02-09, NMFS personnel overheard a local fisherman report an entangled whale to the USCG.</li> <li>• NMFS stood by and documented E04-09 while USCG retrieved the telemetry buoy from the other case. PCCS was contacted and traveled to location with equipment for disentanglement effort the next morning. The telemetry buoy was attached to the anchoring gear and the USCG monitored and protected the whale overnight due to the heavy boat traffic of the NY shipping lanes.</li> </ul> <p>2/26/09</p> <ul style="list-style-type: none"> <li>• NMFS vessel R/V <i>Nauvoo</i> assisted PCCS team in raising a large mass of line and broken mesh pots to the surface. The relieved weight off the animal allowed the PCCS team to cut numerous loops of line around the tail. The large heavy bundle of gear was lost despite having an A-arm lifting structure on the stern of the R/V <i>Nauvoo</i>. Location was recorded of the lost gear but subsequent tows days later did not recover the gear.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Underwater, line was visible leading from the tail area. Animal was in extreme hunched posture due to the heavy weight of gear.
<b>B. Subsequent Descriptions</b>	Nothing changed during subsequent sightings.

**C. Diagram of Entangling Gear on Whale**



PCCS

**Description of Wounds/Condition**

**A. During Initial Sighting**

Nothing was visible except extreme hunched posture from heavy anchoring gear.

**B. Subsequent Descriptions**

Entanglement trauma around the tail region.

**Sighting prior to entanglement**

Unknown

**Re-sightings Post-entanglement**

None

**Life History Information**

Unknown

**NMFS Serious Injury/Mortality Determination**

Human-induced serious injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E04-09		
Field No.	J 022509 hw	Date 1 <sup>st</sup> Observed	2/25/09
Location 1 <sup>st</sup> Observed	9 NM east of Sandy Hook, NJ 40° 23.0' N, 73° 46.6' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Disentanglement
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Depth	
		Bottom Type	
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u> <p style="text-align: center;">No gear recovered.</p>			
<u>Comments:</u>    			
<u>Conclusions:</u> <p style="text-align: center;">No gear recovered.</p>			
Report By:	John F. Kenney	Date:	1/6/11
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E05-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Entangled
<b>Date 1st Observed Entangled</b>	3/17/2009
<b>Species</b>	Humpback
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	6.8 NM E of Treasure Cay Airport, Abaco Island, Bahamas
<b>Latitude/Longitude 1st Observed Entangled</b>	26° 45.008'N 77° 15.881'W
<b>Event Description</b>	<ul style="list-style-type: none"> <li>Local dive operator documented and partially disentangled whale as they were heading out to a dive site. A cut was made on the dorsal side of the tail area and a trailing line was removed. Some embedded line was left in the caudal peduncle of the whale.</li> <li>After some gear was removed the dive operator contacted Bahamas Marine Mammal Research Organisation who conducted an aerial search and found what was thought to be the whale 2 miles north of originally reported location. Whale was swimming slowly.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Line described as "1 1/2" poly" wrapped around the tail with some line trailing
<b>B. Subsequent Descriptions</b>	Photographs from the dive operator show beige colored line partially embedded around the caudal peduncle.
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	Whale had embedded lines around the tail area.
<b>B. Subsequent Descriptions</b>	Photographs show embedded line around the caudal peduncle area. Overall health of the animal is unclear.
<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	None

<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E05-09		
Field No.	J 031709 hw	Date 1 <sup>st</sup> Observed	3/17/09
Location 1 <sup>st</sup> Observed	6.8 NM E of Treasure Cay Airport, Abaco Island, Bahamas 26° 45.0' N, 77° 15.9' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Partial Disentanglement
Species	Humpback	Gear Recovered (y/n)	No
Individual ID		Gear Analysis Conducted (y/n)	No

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Depth	
		Bottom Type	
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u> <p style="text-align: center;">No gear recovered.</p>			
<u>Comments:</u>   			
<u>Conclusions:</u> <p style="text-align: center;">No gear recovered.</p>			
Report By:	John F. Kenney	Date:	1/6/11
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E06-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Entangled
<b>Date 1st Observed Entangled</b>	4/9/2009
<b>Species</b>	Humpback
<b>Individual ID</b>	Could not determine
<b>Location 1st Observed Entangled</b>	16.5 NM northwest of Race Point, Provincetown, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 18.4'N 70° 25.4'W
<b>Event Description</b>	NEFSC aerial survey located the animal and reported to the PCCS rescue team. The rescue team was unable to relocate the whale despite the aid NEFSC aerial survey.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Line was on the surface trailing out of the left side of the mouth and terminating near the fluke with an orange bullet buoy. A line was seen underwater trailing just behind the right pectoral flipper and ending just before the fluke.
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	None noted
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E06-09		
Field No.	J 040909 hw	Date 1 <sup>st</sup> Observed	4/9/09
Location 1 <sup>st</sup> Observed	16.5 NM NW of Race Point, Provincetown, MA 42° 18.4' N, 70° 25.4' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Could not determine	Gear Analysis Conducted (y/n)	No

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Depth	
		Bottom Type	
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u> <p style="text-align: center;">No gear recovered.</p>			
<u>Comments:</u>    			
<u>Conclusions:</u> <p style="text-align: center;">No gear recovered.</p>			
Report By:	John F. Kenney	Date:	1/7/11
		Current Location of Gear	N.A.

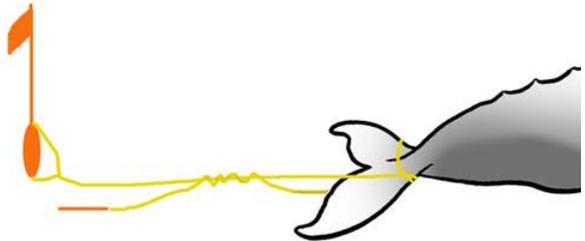
<b>NMFS No.</b>	E07-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Unknown
<b>Date 1st Observed Entangled</b>	4/11/2009
<b>Species</b>	Humpback
<b>Individual ID</b>	Could not determine
<b>Location 1st Observed Entangled</b>	11.6 NM southeast of Gloucester, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 25.62'N 70° 30.04'W
<b>Event Description</b>	Fisherman called in report of an entangled animal that matched the description of a humpback whale. Due to rough seas no response was possible.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Reporter described some line visible with buoys trailing.
<b>B. Subsequent Descriptions</b>	None noted
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	None noted
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E07-09		
Field No.	J 041109 hw	Date 1 <sup>st</sup> Observed	4/11/09
Location 1 <sup>st</sup> Observed	11.6 NM southeast of Gloucester, MA 42° 25.6' N, 70° 30.0' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Could not determine	Gear Analysis Conducted (y/n)	No

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Depth	
		Bottom Type	
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u> <p style="text-align: center;">No gear recovered.</p>			
<u>Comments:</u>   			
<u>Conclusions:</u> <p style="text-align: center;">No gear recovered.</p>			
Report By:	John F. Kenney	Date:	1/7/11
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E08-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear free
<b>Date 1st Observed Entangled</b>	4/20/2009
<b>Species</b>	Humpback
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	1.1 NM south of Race Point, Provincetown, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 02.676'N 70° 14.288'W
<b>Event Description</b>	Local whale watch reported an entangled whale to PCCS rescue team and maintained watch until team arrived. Despite difficult sea conditions the PCCS team removed and recovered all entangling gear.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Whale was entangled around the tail with some line trailing and terminating with a high flyer.
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	 <p>The diagram shows a side profile of a whale's tail. A yellow line representing fishing gear is wrapped around the tail. The line starts with a red flag at the top left, goes down to a yellow buoy, then continues as a line that loops around the tail. A yellow line also extends from the buoy towards the whale's body. The gear is shown as a yellow line with a red flag and a yellow buoy.</p>
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	Entanglement trauma around tail and on dorsal surface of tail.
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E08-09		
Field No.	J 042009 hw	Date 1 <sup>st</sup> Observed	4/20/09
Location 1 <sup>st</sup> Observed	1.1 NM south of Race Point, Provincetown, MA 42° 2.7' N, 70° 14.3' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Disentanglement
Species	Humpback	Gear Recovered (y/n)	Yes
Individual ID	Unknown	Gear Analysis Conducted (y/n)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	4/20/09	Gear Retrieved By	PCCS
Date Gear Received	4/23/09	Received From	PCCS
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Depth	
		Bottom Type	
Gear Type:	Unknown	Target Species:	
<p><u>Gear Description:</u> Gear recovered consists of an almost complete surface system comprised of an eight and a half foot long highflyer attached to a broken plastic buoy stick with approximately 20 feet of 3/8" sinking rope.</p>			
<p><u>Comments:</u> Markings on the highflyer lead to identification of its owner. MADMF conducted an interview in which the identified owner indicated that he did not currently, nor has he ever used highflyers for marking his gear. The size of vessel, information in the catch reports and permit history along with the interview point to the illicit use of the buoy by an unidentified fisherman.</p>			
<p><u>Conclusions:</u> Based on this interview, permit history and catch reports going back 5 years in time, MADMF concluded that this gear was not being fished by the identified owner. While a specific gear type cannot be identified, this gear has endline and surface system characteristics consistent with fixed gear that is fished along the east coast of the U.S. and Canada.</p>			
Report By:	John F. Kenney	Date:	2/17/11
		Current Location of Gear	NMFS, RI

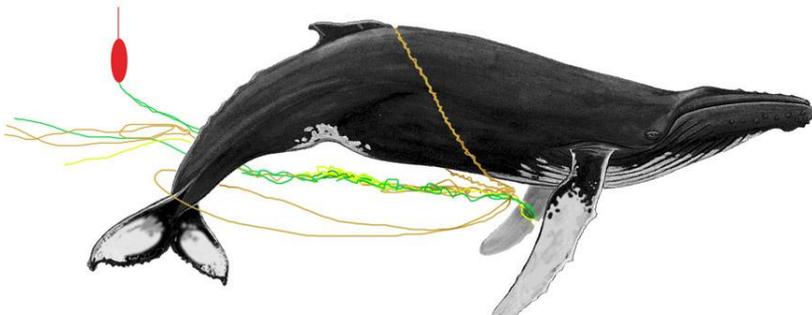
<b>NMFS No.</b>	E09-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Unknown, possibly entangled
<b>Date 1st Observed Entangled</b>	4/27/09
<b>Species</b>	Fin
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	30 NM east northeast of Portsmouth, NH
<b>Latitude/Longitude 1st Observed Entangled</b>	43° 09.0'N 70° 03.0'W
<b>Event Description</b>	MMP spotted a fin whale dragging a surface buoy down below the surface. Whale surfaced a half mile away and was then lost.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	None noted
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	None noted
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E09-09		
Field No.	J 042709 fw	Date 1 <sup>st</sup> Observed	4/27/09
Location 1 <sup>st</sup> Observed	30 NM east northeast of Portsmouth, NH 43° 09.0' N, 70° 03.3' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Fin	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Depth	
		Bottom Type	
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u> No gear recovered.			
<u>Comments:</u>			
<u>Conclusions:</u> No gear recovered.			
Report By:	John F. Kenney	Date:	1/27/11
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E10-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear free
<b>Date 1st Observed Entangled</b>	5/4/2009
<b>Species</b>	Humpback
<b>Individual ID</b>	2008 calf of Ravine
<b>Location 1st Observed Entangled</b>	36 NM east southeast of Chatham, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	41° 28.4'N 69° 10.2'W
<b>Event Description</b>	WHOI <i>R/V Tioga</i> reported and stood by the entangled whale which was slowly moving as the PCCS rescue team responded. PCCS managed to attach two polyballs which prevented the whale from diving. The rescue team then managed to make a number of cuts and with the combination of buoyancy from the polyballs all gear was removed and recovered.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Twisted lines across the back just forward of the dorsal fin causing an indentation. Numerous lines visible trailing just beyond the tail with two bullet buoys visible.
<b>B. Subsequent Descriptions</b>	Lines were deeply embedded on the left pectoral flipper with one of the lines leading to the tail and the rest of the gear trailing behind the whale.
<b>C. Diagram of Entangling Gear on Whale</b>	

<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	Lines causing indentation on the back.
<b>B. Subsequent Descriptions</b>	Severe lacerations on pectoral flipper from embedded lines.
<b>Sighting prior to entanglement</b>	Yes – consult PCCS
<b>Re-sightings Post-entanglement</b>	Consult PCCS
<b>Life History Information</b>	Yes – consult PCCS
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E10-09		
Field No.	J 050409 hw	Date 1 <sup>st</sup> Observed	5/4/09
Location 1 <sup>st</sup> Observed	36 NM east southeast of Chatham, MA 41° 28.4' N, 69° 10.2' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Disentanglement
Species	Humpback	Gear Recovered (y/n)	Yes
Individual ID	2008 calf of Ravine	Gear Analysis Conducted (y/n)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	5/4/09	Gear Retrieved By	PCCS
Date Gear Received	5/13/09	Received From	PCCS
Sources:	USCG	Date Set	
	CCS	Date Lost	Unknown
	Fisherman	Location	Mid-coast Maine
	Other	Depth	
		Bottom Type	
Gear Type:	Lobster plus 2 other gear types	Target Species:	Lobster and other
<p><u>Gear Description:</u> The gear consists of three separate pieces of gear. Two are surface buoys with associated endlines and the third is approximately 235' of poly rope with 3 small foam football shaped floats. One of the surface buoys is an 8"x16" bullet buoy on a 4' plastic stick. Attached to it is an off-the-shelf weak link and a total of approximately 400' of endline, 170' of which is 7/16" floating rope and 230' of 3/8" sinking rope. The endline is marked with a red mark indicating "Lobster Northeast" as is required under the Atlantic Large Whale Take Reduction Plan (ALWTRP) for lobster gear in the northeast. The 2<sup>nd</sup> surface buoy is a 7"x14" bullet buoy on a 30" plastic stick. The endline consists of ~ 24' of 3/8" sink rope attached to the buoy stick with a weak link fashioned from hog rings. The remaining gear is a combination of 3/16", 1/4" and 5/16" poly rope with the 3 football shaped floats</p>			
<p><u>Comments:</u> The 8" x 16" surface buoy was traced back to its owner, a lobster fisherman in mid-coast Maine. The second surface buoy, rigged with a weak link is characteristic of fixed gear fished along the US coast following the requirements of the Atlantic Large Whale Take Reduction Plan.</p>			
<p><u>Conclusions:</u> The recovered gear consists of 3 separate pieces of gear. One is identified as a surface buoy and endline used in the lobster fishery in mid-coast Maine. The second is a surface buoy and endline which is characteristic of fixed gear fished along the US coast that would conform to the ALWTRP requirements. The third piece is of unknown type.</p>			
Report By:	John F. Kenney	Date:	3/15/11
		Current Location of Gear	NMFS, RI

<b>NMFS No.</b>	E11-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Entangled
<b>Date 1st Observed Entangled</b>	5/23/2009
<b>Species</b>	Humpback
<b>Individual ID</b>	Could not determine
<b>Location 1st Observed Entangled</b>	8.1 NM northwest of Race Point, Provincetown, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 10.6'N 70° 20.6'W
<b>Event Description</b>	Private vessel reported an entangled animal that matched the description of a humpback whale to the USCG. USCG contacted PCCS rescue team and despite assistance from a USCG helicopter the PCCS team could not relocate the whale among many other humpbacks in the area.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Whale had a bridle of grey line leading from the head to a red over yellow buoy that was trailing approximately 100 feet behind the tail.
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	None noted
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E11-09		
Field No.	J 052309 hw-1	Date 1 <sup>st</sup> Observed	5/23/09
Location 1 <sup>st</sup> Observed	8 NM northwest of Race Point, Provincetown, MA 42° 10.6' N, 70° 20.6' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Could not determine	Gear Analysis Conducted (y/n)	No

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Depth	
		Bottom Type	
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u> <p style="text-align: center;">No gear recovered.</p>			
<u>Comments:</u>    			
<u>Conclusions:</u> <p style="text-align: center;">No gear recovered.</p>			
Report By:	John F. Kenney	Date:	2/18/11
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E12-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Entangled
<b>Date 1st Observed Entangled</b>	5/23/2009
<b>Species</b>	Humpback
<b>Individual ID</b>	Could not determine
<b>Location 1st Observed Entangled</b>	20.4 NM southeast of Gloucester, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 21.4'N 70° 19.3'W
<b>Event Description</b>	Passenger ferry reported an entangled humpback whale once they arrived in port. Photographs from the event show a bullet buoy trailing behind one of three known humpback whales traveling together. No response was made due to time between report and sighting.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Blue over yellow bullet buoy trailing approximately 75 feet behind the whale.
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	None noted
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	Unknown
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E12-09		
Field No.	J 052309 hw-2	Date 1 <sup>st</sup> Observed	5/23/09
Location 1 <sup>st</sup> Observed	20.4 NM southeast of Gloucester, MA 42° 21.4' N, 70° 19.3' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Could not determine	Gear Analysis Conducted (y/n)	No

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved				Gear Retrieved By			
Date Gear Received				Received From			
Sources:	USCG			Date Set			
	CCS			Date Lost			
	Fisherman			Location			
	Other			Depth			
				Bottom Type			
Gear Type:		Unknown - no gear recovered		Target Species:			
<u>Gear Description:</u> <p style="text-align: center;">No gear recovered.</p>							
<u>Comments:</u>    							
<u>Conclusions:</u> <p style="text-align: center;">No gear recovered.</p>							
Report By:	John F. Kenney	Date:	2/18/11	Current Location of Gear	N.A.		

<b>NMFS No.</b>	E13-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear free
<b>Date 1st Observed Entangled</b>	6/6/2009
<b>Species</b>	Humpback
<b>Individual ID</b>	Pepper
<b>Location 1st Observed Entangled</b>	7 NM northwest of Race Point, Provincetown, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 08.9'N 70° 21.1'W
<b>Event Description</b>	<p>6/6/09</p> <ul style="list-style-type: none"> <li>Whale watch vessel spotted an entangled humpback whale and reported it to the PCCS rescue team. Unfortunately, whale was lost as whale watch companies took turns standing by among 20+ other humpback whales in the area. PCCS rescue team and whale watch vessels could not relocate the animal.</li> </ul> <p>6/8/09</p> <ul style="list-style-type: none"> <li>Whale watch vessel relocated the entangled animal but it was quickly lost and the PCCS rescue team could not relocate the animal.</li> </ul> <p>5/13/10</p> <ul style="list-style-type: none"> <li>A PCCS whale research cruise spotted and documented the animal gear free.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Wrap of line around the caudal peduncle, one wrap around the left fluke blade and three wraps around right fluke blade. Line trailing behind the tail about 10 feet and terminating with a bullet buoy and small orange flag.
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	None noted
<b>B. Subsequent Descriptions</b>	None

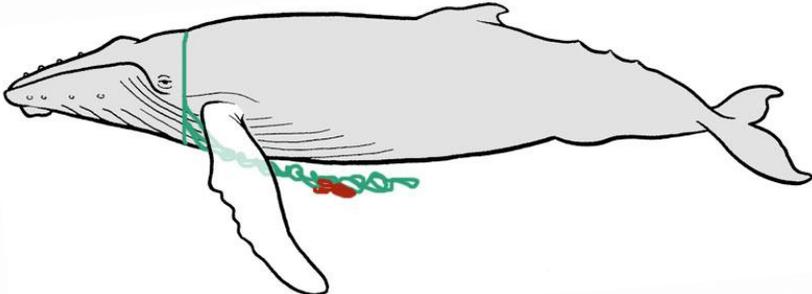
<b>Sighting prior to entanglement</b>	Yes – consult PCCS
<b>Re-sightings Post-entanglement</b>	5/13/10
<b>Life History Information</b>	Yes – consult PCCS
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E13-09		
Field No.	J 060609 hw	Date 1 <sup>st</sup> Observed	6/6/09
Location 1 <sup>st</sup> Observed	7 NM northwest of Race Point, Provincetown, MA 42° 8.9' N, 70° 21.1' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Pepper	Gear Analysis Conducted (y/n)	No

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Depth	
		Bottom Type	
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u> <p style="text-align: center;">No gear recovered.</p>			
<u>Comments:</u>   			
<u>Conclusions:</u> <p style="text-align: center;">No gear recovered.</p>			
Report By:	John F. Kenney	Date:	2/18/11
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E14-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Entangled
<b>Date 1st Observed Entangled</b>	6/9/2009
<b>Species</b>	Humpback
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	4.3 NM northeast of Race Point, Provincetown, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 07.0'N 70° 11.0'W
<b>Event Description</b>	Local whale watch company reported an entangled humpback whale to the PCCS rescue team. PCCS responded but was unable to disentangle the animal due to heavy seas.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Line around the pectoral flipper.
<b>B. Subsequent Descriptions</b>	Tight line around the body of the animal just behind the head. It was unclear how the pectoral flipper, if at all, was entangled.
<b>C. Diagram of Entangling Gear on Whale</b>	
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	None noted
<b>B. Subsequent Descriptions</b>	Tight wrap just behind the head.
<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown



## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E14-09		
Field No.	J 060909 hw	Date 1 <sup>st</sup> Observed	6/9/09
Location 1 <sup>st</sup> Observed	4.3 NM northeast of Race Point, Provincetown, MA 42° 7.0' N, 70° 11.0' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Depth	
		Bottom Type	
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u> <p style="text-align: center;">No gear recovered.</p>			
<u>Comments:</u>   			
<u>Conclusions:</u> <p style="text-align: center;">No gear recovered.</p>			
Report By:	John F. Kenney	Date:	2/18/11
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E15-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Entangled
<b>Date 1st Observed Entangled</b>	7/18/2009
<b>Species</b>	Right
<b>Individual ID</b>	#1019, Radiator
<b>Location 1st Observed Entangled</b>	34 NM south of Nantucket Island, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	40° 40.8'N 69° 53.8'W
<b>Event Description</b>	Bird watching cruise reported the entangled whale while returning to port. No response was made due to any one standing by, distance from shore and time of day.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	No line was seen on the animal but a worn polyball was visible trailing behind the whale.
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	None noted
<b>B. Subsequent Descriptions</b>	Photographs showed recent entanglement trauma around the tail region.
<b>Sighting prior to entanglement</b>	3/15/09
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Adult male
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E15-09		
Field No.	J 071809 rw	Date 1 <sup>st</sup> Observed	7/18/09
Location 1 <sup>st</sup> Observed	34 NM south of Nantucket Island, MA 40° 40.8' N, 69° 53.8' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Right	Gear Recovered (y/n)	No
Individual ID	Eg # 1019	Gear Analysis Conducted (y/n)	No

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved			Gear Retrieved By		
Date Gear Received			Received From		
Sources:	USCG		Date Set		
	CCS		Date Lost		
	Fisherman		Location		
	Other		Depth		
			Bottom Type		
Gear Type:	Unknown - no gear recovered		Target Species:		
<u>Gear Description:</u> <p style="text-align: center;">No gear recovered.</p>					
<u>Comments:</u>   					
<u>Conclusions:</u> <p style="text-align: center;">No gear recovered.</p>					
Report By:	John F. Kenney	Date:	2/18/11	Current Location of Gear	N.A.

<b>NMFS No.</b>	E16-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Unknown, possibly entangled
<b>Date 1st Observed Entangled</b>	8/3/2009
<b>Species</b>	Unknown
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	2.1 NM east southeast of Seguin Island, Boothbay Harbor, ME
<b>Latitude/Longitude 1st Observed Entangled</b>	43° 41.43'N 69° 42.651'W
<b>Event Description</b>	Private boater reported an entangled animal to MMP. Animal was believed to be a large whale based on reporter's description but the animal was not relocated despite aerial assistance from MMP and one of their marine vessels.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	No additional information other than the animal was entangled.
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	None noted
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E16-09		
Field No.	J 080309 unk	Date 1 <sup>st</sup> Observed	8/3/09
Location 1 <sup>st</sup> Observed	2.1 NM ESE of Seguin I, Boothbay Harbor, ME 43° 41.1' N, 69° 42.6' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Unknown	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved			Gear Retrieved By		
Date Gear Received			Received From		
Sources:	USCG		Date Set		
	CCS		Date Lost		
	Fisherman		Location		
	Other		Depth		
			Bottom Type		
Gear Type:	Unknown - no gear recovered		Target Species:		
<u>Gear Description:</u> No gear recovered.					
<u>Comments:</u>					
<u>Conclusions:</u> No gear recovered.					
Report By:	John F. Kenney	Date:	2/18/11	Current Location of Gear	N.A.

<b>NMFS No.</b>	E17-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Entangled
<b>Date 1st Observed Entangled</b>	8/11/2009
<b>Species</b>	Minke
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	6.25 NM northeast of Plymouth, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 03.6'N 70° 28.8'W
<b>Event Description</b>	Local whale watch documented and reported the free swimming entangled whale to PCCS. Animal was quickly lost because of evasive behavior. No whales were seen in the area by PCCS once they arrived.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Green netting cutting into the rostrum of the whale and trailing down the right flank. No other areas of the body were visible.
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	Netting was cutting into the rostrum.
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced serious injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E17-09		
Field No.	J 081109 mw	Date 1 <sup>st</sup> Observed	8/11/09
Location 1 <sup>st</sup> Observed	6.25 NM northeast of Plymouth, MA 42° 3.6' N, 70° 28.8' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Minke	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Depth	
		Bottom Type	
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u> <p style="text-align: center;">No gear recovered.</p>			
<u>Comments:</u>    			
<u>Conclusions:</u> <p style="text-align: center;">No gear recovered.</p>			
Report By:	John F. Kenney	Date:	2/18/11
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E18-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear free
<b>Date 1st Observed Entangled</b>	8/14/2009
<b>Species</b>	Humpback
<b>Individual ID</b>	Anvil
<b>Location 1st Observed Entangled</b>	9.5 NM north northwest of Race Point, Provincetown, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 13.0'N 70° 18.0'W
<b>Event Description</b>	<p>8/14/09</p> <ul style="list-style-type: none"> <li>Whale watch company documented and reported whale with hook and monofilament line.</li> </ul> <p>8/28/09</p> <ul style="list-style-type: none"> <li>Whale watch company documented the whale still carrying hook and monofilament gear.</li> </ul> <p>5/24/10</p> <ul style="list-style-type: none"> <li>PCCS documented the animal to be gear free.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	One hook was visible on upper jaw with monofilament trailing behind flukes.
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	None noted
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	Yes – consult PCCS
<b>Re-sightings Post-entanglement</b>	5/24/10
<b>Life History Information</b>	Yes – consult PCCS



## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E18-09		
Field No.	J 081409 hw	Date 1 <sup>st</sup> Observed	8/14/09
Location 1 <sup>st</sup> Observed	9.5 NM NNW of Race Point, Provincetown, MA 42° 13.0' N, 70° 18.0' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Anvil	Gear Analysis Conducted (y/n)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Depth	
		Bottom Type	
Gear Type:	Hook & Line	Target Species:	Unknown
<u>Gear Description:</u> <p style="text-align: center;">A hook and monofilament line were seen attached to and trailing the whale.</p>			
<u>Comments:</u>   			
<u>Conclusions:</u> <p style="text-align: center;">Hook and line gear.</p>			
Report By:	John F. Kenney	Date:	2/18/11
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E19-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Deceased
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Deceased
<b>Date 1st Observed Entangled</b>	8/17/2009
<b>Species</b>	Humpback
<b>Individual ID</b>	Could not determine
<b>Location 1st Observed Entangled</b>	20.4 NM east of Chatham, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	41° 41.619'N 69° 28.51'W
<b>Event Description</b>	Spotter pilot reported to MA DMF a "juvenile" humpback whale floating with gear visible trailing off the carcass. PCCS was contacted to search for the whale but the carcass was not relocated.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Lines trailed off the carcass
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	Deceased
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	None - mortality
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E19-09		
Field No.	J 081709 hw	Date 1 <sup>st</sup> Observed	8/17/09
Location 1 <sup>st</sup> Observed	20.4 NM east of Chatham, MA 41° 41.6' N, 69° 28.5' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Carcass
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Could not determine	Gear Analysis Conducted (y/n)	No

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved			Gear Retrieved By		
Date Gear Received			Received From		
Sources:	USCG		Date Set		
	CCS		Date Lost		
	Fisherman		Location		
	Other		Depth		
			Bottom Type		
Gear Type:	Unknown - no gear recovered		Target Species:		
<u>Gear Description:</u> <p style="text-align: center;">No gear recovered.</p>					
<u>Comments:</u>    					
<u>Conclusions:</u> <p style="text-align: center;">No gear recovered.</p>					
Report By:	John F. Kenney	Date:	2/18/11	Current Location of Gear	N.A.

<b>NMFS No.</b>	E20-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Deceased
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Deceased
<b>Date 1st Observed Entangled</b>	8/17/2009
<b>Species</b>	Minke
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	11.5 NM southeast of Gloucester, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 27.1'N 70° 28.8'W
<b>Event Description</b>	Fishing vessel reported to USCG of an entangled carcass that matched the description of a minke whale. No search was conducted for the carcass as local group was already searching for another entangled carcass (see previous case E19-09).
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Line around the head and body.
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	None noted
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E20-09		
Field No.	J 081709 mw	Date 1 <sup>st</sup> Observed	8/17/09
Location 1 <sup>st</sup> Observed	11.5 NM southeast of Gloucester, MA 42° 27.1' N, 70° 28.8' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Minke	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved				Gear Retrieved By			
Date Gear Received				Received From			
Sources:	USCG			Date Set			
	CCS			Date Lost			
	Fisherman			Location			
	Other			Depth			
				Bottom Type			
Gear Type:		Unknown - no gear recovered		Target Species:			
<u>Gear Description:</u> <p style="text-align: center;">No gear recovered.</p>							
<u>Comments:</u>    							
<u>Conclusions:</u> <p style="text-align: center;">No gear recovered.</p>							
Report By:	John F. Kenney	Date:	2/18/11	Current Location of Gear	N.A.		

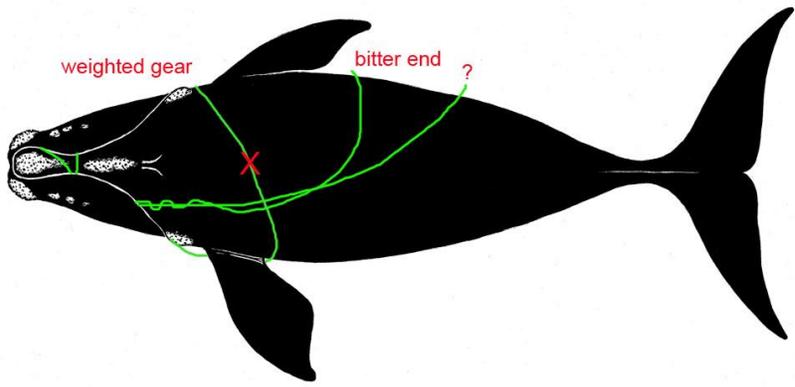
<b>NMFS No.</b>	E21-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Entangled
<b>Date 1st Observed Entangled</b>	9/2/2009
<b>Species</b>	Minke
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	4.5 NM south of Pumpkin Island, ME
<b>Latitude/Longitude 1st Observed Entangled</b>	43° 40.74'N 69° 33.65'W
<b>Event Description</b>	Whale watch briefly witnessed whale thrashing on the surface with lines and buoys entangling the whale. Gear was pulled under and the whale was not sighted again.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Line with a black and white buoy
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	None noted
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E21-09		
Field No.	J 090209 mw	Date 1 <sup>st</sup> Observed	9/2/09
Location 1 <sup>st</sup> Observed	4.5 NM south of Pumpkin Island, ME 43° 40.7' N, 69° 33.6' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Minke	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Depth	
		Bottom Type	
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u> <p style="text-align: center;">No gear recovered.</p>			
<u>Comments:</u>   			
<u>Conclusions:</u> <p style="text-align: center;">No gear recovered.</p>			
Report By:	John F. Kenney	Date:	2/18/11
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E22-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear free
<b>Date 1st Observed Entangled</b>	9/4/2009
<b>Species</b>	Right
<b>Individual ID</b>	#1151, Mavynne
<b>Location 1st Observed Entangled</b>	17 NM east southeast of Isles of Shoals, ME
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 54.125'N 70° 13.4'W
<b>Event Description</b>	A recreational fisherman reported an entangled animal to the USCG who then contacted PCCS rescue team. Whale was briefly lost but was relocated with the help of the original reporter. PCCS managed to make one cut and with the heavy weight below, enabled the whale to shed the remaining gear. Gear quickly sank and was not recovered.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Green line on head.
<b>B. Subsequent Descriptions</b>	Two lines across the rostrum with multiple lines from the mouth that lead underneath the body. Based on the posturing of the animal and tension on the lines it was thought heavy weight was below the animal although nothing was visible.
<b>C. Diagram of Entangling Gear on Whale</b>	 <p>The diagram shows a black silhouette of a whale in profile, facing left. A green line, representing gear, is drawn across the whale's head and rostrum. One end of the line is labeled 'weighted gear' and the other is labeled 'bitter end ?'. A red 'X' is marked on the whale's body, indicating a point of entanglement or injury.</p>
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	None noted

<b>B. Subsequent Descriptions</b>	Recent entanglement trauma around the tail and mouth area.
<b>Sighting prior to entanglement</b>	8/28/09
<b>Re-sightings Post-entanglement</b>	9/4/09
<b>Life History Information</b>	Adult female
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E22-09		
Field No.	J 090409 rw	Date 1 <sup>st</sup> Observed	9/4/09
Location 1 <sup>st</sup> Observed	17 NM east southeast of Isles of Shoals, ME 42° 54.1' N, 70° 13.4' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Disentanglement
Species	Right	Gear Recovered (y/n)	No
Individual ID	Eg# 1151	Gear Analysis Conducted (y/n)	No

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved			Gear Retrieved By		
Date Gear Received			Received From		
Sources:	USCG		Date Set		
	CCS		Date Lost		
	Fisherman		Location		
	Other		Depth		
			Bottom Type		
Gear Type:	Unknown - no gear recovered		Target Species:		
<u>Gear Description:</u> No gear recovered.					
<u>Comments:</u>					
<u>Conclusions:</u> No gear recovered.					
Report By:	John F. Kenney	Date:	2/18/11	Current Location of Gear	N.A.

<b>NMFS No.</b>	E23-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Entangled, possibly gear free
<b>Date 1st Observed Entangled</b>	9/9/2009
<b>Species</b>	Fin
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	Between Campobello and Wolves Islands, NB, Canada
<b>Latitude/Longitude 1st Observed Entangled</b>	44° 55.0'N 66° 48.0'W
<b>Event Description</b>	CWR team responded to a report of an entangled whale near their home port. The crew attempted to slow the animal down by attaching their vessel to some trailing line. Despite pulling their vessel and some buoys the whale continued to swim at 6 knots preventing access for severing gear close to flipper or mouth area. Team cut as much of the trailing gear as possible and released the whale. Some of the gear was recovered. The severity of the insertion entanglement points was not known.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Line and buoys trailing on right flank which possibly involved the flipper or mouth.
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	None noted
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E23-09		
Field No.	J 090909 fw	Date 1 <sup>st</sup> Observed	9/9/09
Location 1 <sup>st</sup> Observed	Between Campobello and Wolves Islands, NB, CA 44° 55.0' N, 66 48.0' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Partial Disentanglement
Species	Fin	Gear Recovered (y/n)	Yes
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	9/9/09	Gear Retrieved By	CWRT
Date Gear Received		Received From	
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Depth	
		Bottom Type	
Gear Type:		Target Species:	
<u>Gear Description:</u> A quantity of rope and two buoys.			
<u>Comments:</u> It was reported that there were no apparent breakaways present.			
<u>Conclusions:</u> No gear type was identified.			
Report By:	John F. Kenney	Date:	3/15/11
		Current Location of Gear	CWI, Canada

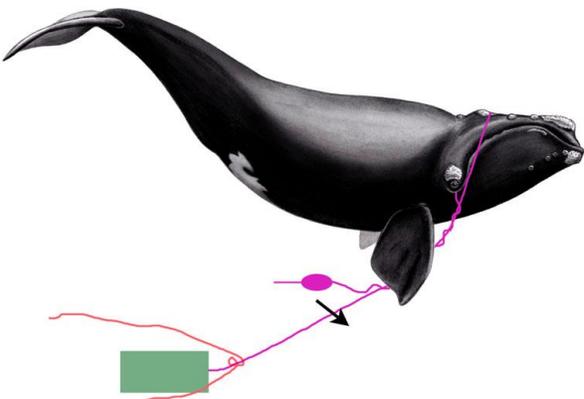
<b>NMFS No.</b>	E24-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear free
<b>Date 1st Observed Entangled</b>	9/20/2009
<b>Species</b>	Humpback
<b>Individual ID</b>	2009 calf of Blackhole
<b>Location 1st Observed Entangled</b>	10 NM north northeast of Race Point, Provincetown, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 13.205'N 70° 09.481'W
<b>Event Description</b>	Whale was spotted with monofilament line and a balloon on the body. Probable gear free sighting on October 2, 2009.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Unknown attachment point with monofilament line and a balloon visible on the body.
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	None noted
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	Yes – consult PCCS
<b>Re-sightings Post-entanglement</b>	10/2/09
<b>Life History Information</b>	Yes – consult PCCS
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E24-09		
Field No.	J 092009 hw	Date 1 <sup>st</sup> Observed	9/20/09
Location 1 <sup>st</sup> Observed	10 NM NNE of Race Point, Provincetown, MA 42° 13.2' N, 70° 9.5' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	2009 calf of Blackhole	Gear Analysis Conducted (y/n)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Depth	
		Bottom Type	
Gear Type:	Monofilament line	Target Species:	Unknown
<u>Gear Description:</u> <p style="text-align: center;">Monofilament line and a balloon were seen on the whale.</p>			
<u>Comments:</u>   			
<u>Conclusions:</u> <p style="text-align: center;">Monofilament line.</p>			
Report By:	John F. Kenney	Date:	2/18/11
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E25-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear free
<b>Date 1st Observed Entangled</b>	9/26/2009
<b>Species</b>	Right
<b>Individual ID</b>	#3821
<b>Location 1st Observed Entangled</b>	Provincetown Harbor, Provincetown, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 02.0'N 70° 07.0'W
<b>Event Description</b>	Local whale watch from their home port reported an entangled whale to PCCS. PCCS quickly responded and after many approaches to an evasive whale, the team managed to grapple the heavy gear underneath and attach a polyball. The buoyancy of the polyball on a dive broke the line and some gear and the trap was recovered. After following the whale for some time the bullet buoy appeared in the fluke print of the whale and was recovered. Identification marks on the buoy matched the trap that was recovered.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Red bullet buoy trailing behind the whale although no line was visible.
<b>B. Subsequent Descriptions</b>	Line formed a complete loop through the mouth leading to a bullet buoy and wire mesh trap beneath the whale.
<b>C. Diagram of Entangling Gear on Whale</b>	 <p style="text-align: right;">PCCS</p>

<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	Good condition with minor entanglement trauma visible.
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	7/10/09
<b>Re-sightings Post-entanglement</b>	4/13/10
<b>Life History Information</b>	Juvenile
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E25-09		
Field No.	J 092609 rw	Date 1 <sup>st</sup> Observed	9/26/09
Location 1 <sup>st</sup> Observed	Provincetown Harbor, Provincetown, MA 42° 2.0' N, 70° 7.0' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Disentanglement
Species	Right	Gear Recovered (y/n)	Yes
Individual ID	Eg # 3821	Gear Analysis Conducted (y/n)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	9/26/09	Gear Retrieved By	PCCS
Date Gear Received	9/29/09	Received From	PCCS
Sources:	USCG	Date Set	Unknown
	CCS	Date Lost	Unknown
	Fisherman	Owner Interview	Location Cape Cod Bay
	Other	Depth	
		Bottom Type	Sand & mud
Gear Type:	Lobster trap	Target Species:	Lobster
<p><u>Gear Description:</u> A complete single trap set-up from buoy to trap. The 42" trap was attached to a single surface buoy with a combination of 3/8" &amp; 5/16" poly-dac. This endline incorporated a weak link at the buoy and the required endline mark, midway down the endline. A second piece of rope was also recovered during the disentanglement effort that was separate from this lobster gear.</p>			
<p><u>Comments:</u> The whale was found with a single pass of the endline through its mouth. The second piece of rope appears to have been tangled with the lobster gear and not the whale.</p>			
<p><u>Conclusions:</u> The whale was entangled in the endline of a single lobster trap.</p>			
Report By:	John F. Kenney	Date:	2/18/11
		Current Location of Gear	NMFS, RI

<b>NMFS No.</b>	E26-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear free
<b>Date 1st Observed Entangled</b>	10/9/2009
<b>Species</b>	Fin
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	North of Long Island, Bay of Fundy, NS, Canada
<b>Latitude/Longitude 1st Observed Entangled</b>	44° 30.7'N 66° 14.5'W
<b>Event Description</b>	Whale watch reported entangled whale to CWR team who responded across the Bay of Fundy. Whale was only surfacing briefly but the team managed to attach some polyballs to aid in the tracking and buoyancy of the whale. Animal still proved difficult to work with and a sea anchor was attached which eventually parted the gear. Roughly 800 feet of gear was recovered with a partially deflated polyball.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	Whale appeared thin
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	10/9/09
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E26-09		
Field No.	J 100909 fw	Date 1 <sup>st</sup> Observed	10/9/09
Location 1 <sup>st</sup> Observed	North of Long Island, Bay of Fundy, NS, Canada 44° 30.7' N, 66° 14.5' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Disentanglement
Species	Fin	Gear Recovered (y/n)	Yes
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	10/9/09	Gear Retrieved By	CWRT
Date Gear Received		Received From	
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
Other	CWI	Depth	
		Bottom Type	
Gear Type:		Target Species:	
<p><u>Gear Description:</u> The gear removed from the whale included approximately 700' of 1/2" lead line and associated deflated balloon buoy, as well as approximately 100' of 1/2 line and small 7" buoy.</p>			
<p><u>Comments:</u> No identifiable markings were present on the recovered gear.</p>			
<p><u>Conclusions:</u> No gear type was identified.</p>			
Report By:	John F. Kenney	Date:	3/15/11
		Current Location of Gear	CWI, Canada

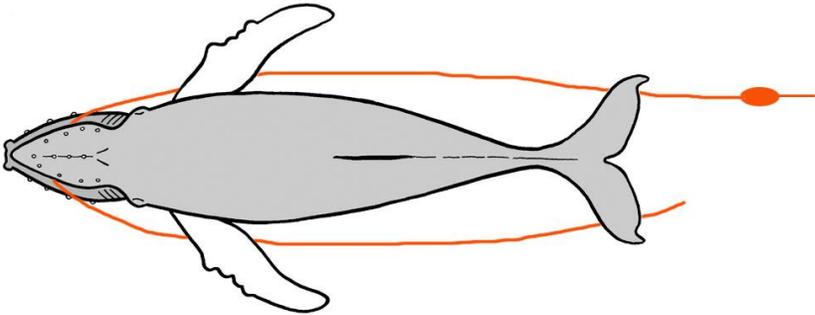
<b>NMFS No.</b>	E27-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear free
<b>Date 1st Observed Entangled</b>	10/11/09
<b>Species</b>	Minke
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	7.6 NM northeast of Truro, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 07.01'N 69° 54.54'W
<b>Event Description</b>	NEFSC fisheries research vessel hauled up a live minke whale in the cod end of mid-water trawl. Whale was described as "lively" and was released apparently unharmed.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Whale was trapped in the cod end of trawl as the net was hauled.
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	None noted
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E27-09		
Field No.	J 101109 mw	Date 1 <sup>st</sup> Observed	10/11/09
Location 1 <sup>st</sup> Observed	7.6 NM northeast of Truro, MA 42° 7.0' N, 69° 54.5' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Capture & Release
Species	Minke	Gear Recovered (y/n)	N/A
Individual ID	Unknown	Gear Analysis Conducted (y/n)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved			Gear Retrieved By		
Date Gear Received			Received From		
Sources:	USCG		Date Set		
	CCS		Date Lost		
	Fisherman		Location		
	Other	NMFS, NEFSC	Depth		
			Bottom Type		
Gear Type:	Mid-water survey trawl		Target Species:	herring	
<p><u>Gear Description:</u> A NEFSC fisheries research vessel hauled up a live minke whale in the cod end of their Irish Herring Mid-water survey trawl.</p>					
<p><u>Comments:</u> While conducting the Atlantic Herring Acoustic Survey a NEFSC fisheries research vessel hauled back their Irish Herring Mid-water Trawl and found that it contained a minke whale in its codend. The whale was described as "lively" and was released apparently unharmed.</p>					
<p><u>Conclusions:</u> Whale was captured in an Irish Herring Mid-water survey trawl and released unharmed.</p>					
Report By:	John F. Kenney	Date:	2/18/11	Current Location of Gear	N.A.

<b>NMFS No.</b>	E28-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear free
<b>Date 1st Observed Entangled</b>	10/21/2009
<b>Species</b>	Humpback
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	9.3 NM northeast of Race Point, Provincetown, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 11.37'N 70° 07.05'W
<b>Event Description</b>	PCCS was conducting a research cruise and noticed an entangled humpback whale with a trailing bullet buoy. The entanglement was not immediately life threatening but was determined to have the potential to entangle the whale further. PCCS rescue team disentangled and recovered all entangling gear.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Line through mouth and trailing out both sides. A small bullet buoy was on one end of the line.
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	 <p>The diagram shows a side view of a humpback whale. An orange line is drawn through the whale's mouth, extending outwards to the left and right sides. The line continues to the right, ending in a small orange circle representing a bullet buoy. The whale's body is shaded in light gray, and its fins and tail are clearly outlined.</p>
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	None noted
<b>B. Subsequent Descriptions</b>	None

<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E28-09		
Field No.	J 102109 hw	Date 1 <sup>st</sup> Observed	10/21/09
Location 1 <sup>st</sup> Observed	9.3 NM northeast of Race Point, Provincetown, MA 42° 11.4' N, 70° 7.0' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Disentanglement
Species	Humpback	Gear Recovered (y/n)	Yes
Individual ID	Unknown	Gear Analysis Conducted (y/n)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	10/22/09	Gear Retrieved By	PCCS		
Date Gear Received	10/28/09	Received From	PCCS		
Sources:	USCG		Date Set	Unknown	
	CCS		Date Lost	Unknown	
	Fisherman	Owner Interview	Location	CCB and the Backside from Ptown to Wellfleet	
	Other		Depth		
			Bottom Type		
Gear Type:	Lobster trap (single)	Target Species:	Lobster		
<p><u>Gear Description:</u> The recovered gear includes a 6" x 13" bullet buoy and approximately 73 feet of sinking endline. The endline is attached to the buoy using hog rings to fulfill the weak link requirement.</p>					
<p><u>Comments:</u> The whale was found with a single pass of the endline through its mouth. The gear description collected during the interview indicates that all gear consists of single traps fished in state waters either in Cape Cod Bay or on the back side of the Cape from Provincetown down to Wellfleet. Endlines are made up of 2/3 sink line (top) and 1/3 of float line (bottom) with a 5/16" to 3/8" diameter.</p>					
<p><u>Conclusions:</u> The whale was entangled in the endline of a single lobster trap.</p>					
Report By:	John F. Kenney	Date:	2/18/11	Current Location of Gear	NMFS, RI

<b>NMFS No.</b>	E29-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Entangled
<b>Date 1st Observed Entangled</b>	11/20/2009
<b>Species</b>	Humpback
<b>Individual ID</b>	Could not determine
<b>Location 1st Observed Entangled</b>	13 NM south of Goat Island, Outer Banks, NC
<b>Latitude/Longitude 1st Observed Entangled</b>	34° 28.6'N 76° 42.5'W
<b>Event Description</b>	Sailing vessel reported an entangled whale to USCG. Duke University rescue team responded and with assistance from USCG, including a helicopter, managed to document the whale just before dark. Due to time of day no disentanglement effort was attempted.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	None noted besides being entangled.
<b>B. Subsequent Descriptions</b>	Duke University rescue team described a single line trailing off the right side of the whale.
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	None noted
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E29-09		
Field No.	J 112009 hw	Date 1 <sup>st</sup> Observed	11/20/09
Location 1 <sup>st</sup> Observed	13 NM south of Goat Island, Outer Banks, NC 34° 28.6' N, 76° 42.5' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Could not determine	Gear Analysis Conducted (y/n)	No

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved			Gear Retrieved By		
Date Gear Received			Received From		
Sources:	USCG		Date Set		
	CCS		Date Lost		
	Fisherman		Location		
	Other		Depth		
			Bottom Type		
Gear Type:	Unknown - no gear recovered		Target Species:		
<u>Gear Description:</u> No gear recovered.					
<u>Comments:</u>					
<u>Conclusions:</u> No gear recovered.					
Report By:	John F. Kenney	Date:	2/18/11	Current Location of Gear	N.A.

<b>NMFS No.</b>	E30-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear free
<b>Date 1st Observed Entangled</b>	11/26/2009
<b>Species</b>	Right
<b>Individual ID</b>	#3850
<b>Location 1st Observed Entangled</b>	Between Cape Lookout Shoals and #2 buoy, NC
<b>Latitude/Longitude 1st Observed Entangled</b>	34° 35.931'N 76° 33.137'W
<b>Event Description</b>	<p>11/26/09</p> <ul style="list-style-type: none"> <li>Private boater reported the entangled whale two weeks after the incident so no response was possible. Thankfully, reporter documented the event with pictures allowing the whale to be identified.</li> </ul> <p>1/13/10</p> <ul style="list-style-type: none"> <li>FWC aerial survey relocated the whale and documented the animal gear free.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Green line trailing from the right head area.
<b>B. Subsequent Descriptions</b>	Gear-free
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	None noted
<b>B. Subsequent Descriptions</b>	Entanglement trauma visible leading from the mouth area.
<b>Sighting prior to entanglement</b>	2/18/09
<b>Re-sightings Post-entanglement</b>	1/13/10
<b>Life History Information</b>	Unknown sex, born in 2008
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E30-09		
Field No.	J 112609 rw	Date 1 <sup>st</sup> Observed	11/26/09
Location 1 <sup>st</sup> Observed	Between Cape Lookout Shoals and #2 buoy, NC 34° 35.9' N, 76° 33.1' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Right	Gear Recovered (y/n)	No
Individual ID	Eg # 3850	Gear Analysis Conducted (y/n)	No

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved			Gear Retrieved By		
Date Gear Received			Received From		
Sources:	USCG		Date Set		
	CCS		Date Lost		
	Fisherman		Location		
	Other		Depth		
			Bottom Type		
Gear Type:	Unknown - no gear recovered		Target Species:		
<u>Gear Description:</u> No gear recovered.					
<u>Comments:</u>					
<u>Conclusions:</u> No gear recovered.					
Report By:	John F. Kenney	Date:	2/18/11	Current Location of Gear	N.A.

<b>NMFS No.</b>	E31-09
<b>Indication of Entanglement</b>	Yes
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Entangled, possibly gear free
<b>Date 1st Observed Entangled</b>	12/09/2009
<b>Species</b>	Humpback
<b>Individual ID</b>	Could not determine
<b>Location 1st Observed Entangled</b>	18.7 NM east of Jacksonville, FL
<b>Latitude/Longitude 1st Observed Entangled</b>	30° 26.4'N 81° 02.6'W
<b>Event Description</b>	<p>12/9/09</p> <ul style="list-style-type: none"> <li>• NEAq aerial survey located and documented the entangled whale off Jacksonville, FL. Due to rough sea conditions no response was possible.</li> </ul> <p>12/26/09</p> <ul style="list-style-type: none"> <li>• Private boaters in Bahamas conducted an <i>ad hoc</i> disentanglement. Whale was documented in poor condition and the boaters believed all the gear was removed.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Multiple lines exiting out of both sides of the mouth with multiple small round buoys on the line.
<b>B. Subsequent Descriptions</b>	None noted
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	Whale appeared pale in photographs.
<b>B. Subsequent Descriptions</b>	Photographs showed pale whale covered with cyamids and appearing thin.
<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced serious injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E31-09		
Field No.	J 120909 hw	Date 1 <sup>st</sup> Observed	12/9/09
Location 1 <sup>st</sup> Observed	18.7 NM east of Jacksonville, FL 30° 26.4' N, 81° 2.6' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation, then Disentangled on 12/26/09
Species	Humpback	Gear Recovered (y/n)	Yes
Individual ID	Could not determine	Gear Analysis Conducted (y/n)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	12/26/09	Gear Retrieved By	Private citizens in Bahamas
Date Gear Received	6/8/10	Received From	NMFS/SEFSC
Sources:	USCG	Date Set	~ 10/20/09
	CCS	Date Lost	~ 10/20/09
	Fisherman	Owner interview	Location 44° 36' N, 62° 59' W East of Halifax, NS, CA.
	Other	Depth	17 fathoms
		Bottom Type	Red moss
Gear Type:	Pelagic Gillnet	Target Species:	Herring, roe-on
<p><u>Gear Description:</u> Approximately 35' of 5/8" poly rope with attached 2.5" mono webbing (0.030" dia) was received. The webbing was badly torn and had a maximum depth of 19.5 meshes and no leadline present. Along the floatrope are eyes, fashioned from green woven poly cod-end twine. Into these eyes are attached ¼" hard twisted orange poly loops approximately 24" long. Recovered during disentanglement efforts were 4 marked trawl cans (hard plastic float, 8" dia). These floats were removed from the gear and given to observers of the disentanglement that reside in Alabama and thus were not available for first hand analysis. Pictures of the recovered gear show the floats as being attached with the ¼" orange poly.</p>			
<p><u>Comments:</u> The owner described the gear as a 3 net string. This is a strike net fishery for roe-on herring. Each net is 17 fathoms for an overall length of 51 fathoms. Float line is rigged with 8 inch hard can floats spaced at 2 fm intervals. The base of net is hung on lead line. Each end of the string is anchored with a 50 pound dead weight and marked with a 40" poly ball. The gear had been set for approximately one hour and was in the process of being hauled back when the whale was noticed in the gear. The skipper and crew cut what gear they could off the animal.</p>			
<p><u>Conclusions:</u> The whale was entangled in actively fished pelagic gillnet gear.</p>			
Report By:	John F. Kenney	Date:	3/16/11
		Current Location of Gear	NMFS, RI

## 2009 Ship Strikes

<b>NMFS No.</b>	SS01-09
<b>Indication of Strike</b>	Confirmed
<b>Initial Status</b>	Alive
<b>Subsequent Status (As of the date the NMFS Strike Report is completed)</b>	Unknown
<b>Date of Strike</b>	3/31/09
<b>Date 1st Observed</b>	3/31/09
<b>Species</b>	Unknown (possible right whale)
<b>Individual ID</b>	Unknown
<b>Location 1st Observed</b>	Hilton Head Island, SC
<b>Latitude/Longitude 1st Observed</b>	32° 07.85' N, 80° 34.77' W
<b>Location of strike</b>	Same as above
<b>Event Summary</b>	Recreational vessel reported striking a whale. Whale was seen with blood coming out of its head. Vessel damaged—propeller shaft ripped out; vessel took on water. Captain later ID'd as a right whale after being shown photographs of humpback and right whale tails.
<b>Description of wounds/condition</b>	Captain described seeing blood coming out of the top of the whale. However, actual wounds were not described. Whale described as “tail slapping.”
<b>Vessel Description</b>	Pleasure craft
<b>A. Vessel Type</b>	
<b>B. Speed</b>	22-23 knots
<b>C. Size</b>	30 ft.
<b>Sighting prior to strike</b>	None
<b>Re-sightings Post-strike</b>	Approx. 50-60 yards astern of vessel a few minutes after interaction
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

<b>NMFS No.</b>	SS02-09
<b>Indication of Strike</b>	Confirmed
<b>Initial Status</b>	Alive
<b>Subsequent Status (As of the date the NMFS Strike Report is completed)</b>	Alive
<b>Date of Strike</b>	4/19/09
<b>Date 1st Observed</b>	4/19/09
<b>Species</b>	Right
<b>Individual ID</b>	#3590
<b>Location 1st Observed</b>	~7 nm offshore of Scituate, MA
<b>Latitude/Longitude 1st Observed</b>	42° 11.2' N, 70° 33.7' W
<b>Location of strike</b>	Same as above
<b>Event Summary</b>	Federal research vessel reported striking a whale. Wounds were photo-documented following strike. Prop marks were visible on left fluke blade, but no blood seen.
<b>Description of wounds/condition</b>	7-8 lacerations noted on left fluke blade; did not cross midline. No blood seen. Skin was hanging down from each cut, but did not penetrate through fluke.  9/2/09 – Animal re-sighted. Fluke tip is curled downward due to scar tissue contraction. Health assessment underway.
<b>Vessel Description</b>	Research (Federal) – R/V Auk
<b>A. Vessel Type</b>	
<b>B. Speed</b>	19.7 knots
<b>C. Size</b>	50 ft.
<b>Sighting prior to strike</b>	Immediately prior to strike, 30 ft. ahead of vessel, a few seconds before impact.
<b>Re-sightings Post-strike</b>	9/2/09 – Roseway Basin
<b>Life History Information</b>	Female
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

<b>NMFS No.</b>	SS03-09
<b>Indication of Strike</b>	Confirmed
<b>Initial Status</b>	Dead
<b>Subsequent Status</b> (As of the date the NMFS Strike Report is completed)	N/A
<b>Date of Strike</b>	Unknown
<b>Date 1st Observed</b>	5/19/09
<b>Species</b>	Sei
<b>Individual ID</b>	Unknown
<b>Location 1st Observed</b>	~ 2 mi off Rehoboth Beach, DE
<b>Latitude/Longitude 1st Observed</b>	38° 46.369'N, 75° 01.374'W
<b>Location of strike</b>	Unknown
<b>Event Summary</b>	Floating carcass reported; USCG relocated and photographed carcass. Carcass landed on 5/20 and was necropsied; necropsy revealed evidence of ship strike.
<b>Description of wounds/condition</b>	Carcass reported as stage 3-4, advanced decomposition. No obvious signs of human interaction noted at initial sighting.  Upon initial exam, jaw appeared twisted and likely broken. Green tissue was found underneath, indicating prior bruising. Necropsy revealed several fractures in mandible, skull, vertebrae, ribs, and hemorrhage posterior to flipper.
<b>Vessel Description</b>	Unknown
<b>A. Vessel Type</b>	
<b>B. Speed</b>	Unknown
<b>C. Size</b>	Unknown
<b>Sighting prior to strike</b>	Unknown
<b>Re-sightings Post-strike</b>	5/19/09, dead floating
<b>Life History Information</b>	Male, 41 ft. 9 in.
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced mortality

<b>NMFS No.</b>	SS04-09
<b>Indication of Strike</b>	Confirmed
<b>Initial Status</b>	Dead
<b>Subsequent Status</b> (As of the date the NMFS Strike Report is completed)	N/A
<b>Date of Strike</b>	Unknown
<b>Date 1st Observed</b>	5/20/09
<b>Species</b>	Minke
<b>Individual ID</b>	Unknown
<b>Location 1st Observed</b>	4 miles east of Point Pleasant, NJ
<b>Latitude/Longitude 1st Observed</b>	40° 57.3'N, 73° 57.516'W
<b>Location of strike</b>	Unknown
<b>Event Summary</b>	Initial report by USCG; response by MMSC
<b>Description of wounds/condition</b>	Large hemorrhage at right pectoral.
<b>Vessel Description</b>	Unknown
<b>A. Vessel Type</b>	
<b>B. Speed</b>	Unknown
<b>C. Size</b>	Unknown
<b>Sighting prior to strike</b>	Unknown
<b>Re-sightings Post-strike</b>	N/A
<b>Life History Information</b>	Adult, sex unknown, approx. 8m in length
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced mortality

<b>NMFS No.</b>	SS05-09
<b>Indication of Strike</b>	Confirmed
<b>Initial Status</b>	Alive
<b>Subsequent Status (As of the date the NMFS Strike Report is completed)</b>	Unknown
<b>Date of Strike</b>	5/29/09
<b>Date 1st Observed</b>	5/29/09
<b>Species</b>	Unknown baleen whale
<b>Individual ID</b>	Unknown
<b>Location 1st Observed</b>	100 yards offshore of Point Pleasant, NJ
<b>Latitude/Longitude 1st Observed</b>	Unknown
<b>Location of strike</b>	Offshore of Point Pleasant, NJ
<b>Event Summary</b>	Whale came up out of water and landed on the transom of the vessel, leaving tissue on engine and scratches on boat. Whale described as blue-gray with baleen.
<b>Description of wounds/condition</b>	No wounds noted. Some tissue was left behind on the engine.
<b>Vessel Description</b>	Recreational
<b>A. Vessel Type</b>	
<b>B. Speed</b>	Unknown
<b>C. Size</b>	19 ft.
<b>Sighting prior to strike</b>	30-40 yards away from boat, a few minutes prior to incident
<b>Re-sightings Post-strike</b>	None
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

<b>NMFS No.</b>	SS06-09
<b>Indication of Strike</b>	Suspected
<b>Initial Status</b>	Alive
<b>Subsequent Status (As of the date the NMFS Strike Report is completed)</b>	Unknown
<b>Date of Strike</b>	Unknown – last seen without wounds on 6/6/09
<b>Date 1st Observed</b>	6/17/09
<b>Species</b>	Humpback
<b>Individual ID</b>	2009 calf of Rapier
<b>Location 1st Observed</b>	SW corner of Stellwagen Bank National Marine Sanctuary
<b>Latitude/Longitude 1st Observed</b>	42° 12.743' N, 70° 16.521' W
<b>Location of strike</b>	Unknown
<b>Event Summary</b>	WCNE naturalist observed and photographed Rapier's current calf with a large gash near the tail stock.
<b>Description of wounds/condition</b>	<p>Open, fresh-looking wound on tail stock. Acting lethargic. Calf was continuously sounding, but never went down for more than 15-30 seconds before resurfacing and repeating the same sequence.</p> <p>10/27/09 – Calf re-sighted and wound photographed. Calf behavior described as energetic, but still irregular. Appeared to have decent mobility in peduncle due to multiple breaches; however, exhibited unusually frequent sounding dives lasting no more than a few seconds.</p>
<b>Vessel Description</b>	Unknown
<b>A. Vessel Type</b>	
<b>B. Speed</b>	Unknown
<b>C. Size</b>	Unknown
<b>Sighting prior to strike</b>	6/6/09 – Seen without wound
<b>Re-sightings Post-strike</b>	Last sighting of the season on 10/27/09
<b>Life History Information</b>	Calf
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

<b>NMFS No.</b>	SS07-09
<b>Indication of Strike</b>	Confirmed
<b>Initial Status</b>	Alive
<b>Subsequent Status (As of the date the NMFS Strike Report is completed)</b>	Unknown
<b>Date of Strike</b>	6/20/09
<b>Date 1st Observed</b>	6/20/09
<b>Species</b>	Unknown (possible fin)
<b>Individual ID</b>	Unknown
<b>Location 1st Observed</b>	Off Race Point, Provincetown, MA
<b>Latitude/Longitude 1st Observed</b>	42° 04.987' N, 70° 13.757' W
<b>Location of strike</b>	Same as above
<b>Event Summary</b>	Vessel captain reported striking a whale. Saw whale surface 20 ft ahead of the vessel, powered down, but unable to avoid collision. Whale swam away with no obvious wounds or blood seen. Described as 30-35 ft. fin whale, but could not be sure of species ID. Did not see large pectoral flippers indicative of humpback.
<b>Description of wounds/condition</b>	No wounds or blood in the water noted.
<b>Vessel Description</b>	Recreational
<b>A. Vessel Type</b>	
<b>B. Speed</b>	15-20 knots
<b>C. Size</b>	22 ft.
<b>Sighting prior to strike</b>	20 ft. ahead of vessel, just prior to strike
<b>Re-sightings Post-strike</b>	Vessel stayed with whale for 20 minutes. Whale surfaced a few times and then swam away with no evidence of wounds or bleeding.
<b>Life History Information</b>	Estimated 30-35 ft.
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

<b>NMFS No.</b>	SS08-09
<b>Indication of Strike</b>	Confirmed
<b>Initial Status</b>	Alive
<b>Subsequent Status</b> (As of the date the NMFS Strike Report is completed)	Unknown
<b>Date of Strike</b>	Unknown
<b>Date 1st Observed</b>	7/21/09
<b>Species</b>	Humpback
<b>Individual ID</b>	Bayou, 2006 calf of Trident
<b>Location 1st Observed</b>	NW corner of Stellwagen Bank, MA
<b>Latitude/Longitude 1st Observed</b>	42° 24.622' N, 70° 21.791' W
<b>Location of strike</b>	Unknown
<b>Event Summary</b>	WCNE photo-documented previously undocumented propeller marks on a humpback whale.
<b>Description of wounds/condition</b>	Propeller wounds on fluke
<b>Vessel Description</b>	Unknown
<b>A. Vessel Type</b>	
<b>B. Speed</b>	Unknown
<b>C. Size</b>	Unknown
<b>Sighting prior to strike</b>	6/3/09 – seen at 42° 17.521' N, 70° 17.737' W with no prop wounds
<b>Re-sightings Post-strike</b>	7/25/09 – seen by whale watch vessel
<b>Life History Information</b>	3 yrs. old
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

<b>NMFS No.</b>	SS09-09
<b>Indication of Strike</b>	Confirmed
<b>Initial Status</b>	Alive
<b>Subsequent Status</b> (As of the date the NMFS Strike Report is completed)	Unknown
<b>Date of Strike</b>	7/28/09
<b>Date 1st Observed</b>	7/28/09
<b>Species</b>	Humpback
<b>Individual ID</b>	Unknown
<b>Location 1st Observed</b>	Stellwagen Bank, near BE buoy
<b>Latitude/Longitude 1st Observed</b>	Unknown
<b>Location of strike</b>	Same as above
<b>Event Summary</b>	Whale watch vessel reported striking a whale. Vessel lurched; naturalists and passengers aboard vessel reported seeing the whale surface directly in front of the vessel just before the vessel hull came into contact with the whale and then passed over the whale.
<b>Description of wounds/condition</b>	No wounds noted.
<b>Vessel Description</b>	Whale watch vessel - catamaran
<b>A. Vessel Type</b>	
<b>B. Speed</b>	5 knots
<b>C. Size</b>	110 ft
<b>Sighting prior to strike</b>	Vessel was watching this whale for a few minutes. Whale dove, then naturalists and passengers saw it surface directly between the pulpits of the vessel before the vessel passed over it.
<b>Re-sightings Post-strike</b>	None
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

<b>NMFS No.</b>	SS10-09
<b>Indication of Strike</b>	Suspected
<b>Initial Status</b>	Dead
<b>Subsequent Status</b> (As of the date the NMFS Strike Report is completed)	N/A
<b>Date of Strike</b>	Unknown
<b>Date 1st Observed</b>	10/1/09
<b>Species</b>	Fin
<b>Individual ID</b>	Unknown
<b>Location 1st Observed</b>	Port Elizabeth Shipping Channel, Jersey City, NJ
<b>Latitude/Longitude 1st Observed</b>	40° 39.48' N, 74° 08.7' W
<b>Location of strike</b>	Unknown
<b>Event Summary</b>	Fresh dead carcass in the Port Elizabeth shipping channel was reported. Due to size of the whale and location far up the channel, it is likely to have been brought into port on the bow of a large ship. However, carcass could not be landed for necropsy. Some evidence of ship strike (snapped pectoral fin) was noted on left front side.
<b>Description of wounds/condition</b>	Fresh dead carcass. Damage on left front side--evidence of ship strike noted as snapped pectoral fin.
<b>Vessel Description</b>	Unknown
<b>A. Vessel Type</b>	
<b>B. Speed</b>	Unknown
<b>C. Size</b>	Unknown
<b>Sighting prior to strike</b>	None
<b>Re-sightings Post-strike</b>	Floating dead
<b>Life History Information</b>	40 ft. male
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced mortality

<b>NMFS No.</b>	SS11-09
<b>Indication of Strike</b>	Confirmed
<b>Initial Status</b>	Dead
<b>Subsequent Status</b> (As of the date the NMFS Strike Report is completed)	N/A
<b>Date of Strike</b>	Unknown
<b>Date 1st Observed</b>	10/4/09
<b>Species</b>	Bryde's
<b>Individual ID</b>	Unknown
<b>Location 1st Observed</b>	Tampa Bay, FL, ~100ft off of the right hand side of the berth in the east bay shipping channel
<b>Latitude/Longitude 1st Observed</b>	27° 54.604' N, 82° 25.407' W
<b>Location of strike</b>	Unknown
<b>Event Summary</b>	Large dead whale reported floating in port. Necropsy revealed blunt force trauma indicative of pre-mortem vessel strike.
<b>Description of wounds/condition</b>	Fresh dead carcass. Indications of pre-mortem blunt force trauma, including vertebral separation, hemorrhaging, and multiple contusions.
<b>Vessel Description</b>	Unknown
<b>A. Vessel Type</b>	
<b>B. Speed</b>	Unknown
<b>C. Size</b>	Unknown
<b>Sighting prior to strike</b>	None
<b>Re-sightings Post-strike</b>	Floating dead
<b>Life History Information</b>	41 ft. lactating female
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced mortality

<b>NMFS No.</b>	SS12-09
<b>Indication of Strike</b>	Suspected
<b>Initial Status</b>	Alive
<b>Subsequent Status</b> (As of the date the NMFS Strike Report is completed)	Unknown
<b>Date of Strike</b>	10/8/09
<b>Date 1st Observed</b>	10/8/09
<b>Species</b>	Unknown (possible basking shark)
<b>Individual ID</b>	Unknown
<b>Location 1st Observed</b>	SBNMS, approx. 11 nm NW of Provincetown, MA
<b>Latitude/Longitude 1st Observed</b>	42° 08.065' N, 70° 24.484' W
<b>Location of strike</b>	Same as above
<b>Event Summary</b>	USCG cutter reported striking an unidentified marine animal while on routine patrol. Animal was not seen prior to strike. Crew felt the impact and briefly saw an animal with a dorsal fin immediately after the incident. Crew determined that it was more likely a basking shark than a marine mammal after consulting reference materials and bridge guides.
<b>Description of wounds/condition</b>	No wounds or blood noted.
<b>Vessel Description</b>	USCG cutter
<b>A. Vessel Type</b>	
<b>B. Speed</b>	12 knots
<b>C. Size</b>	87 ft.
<b>Sighting prior to strike</b>	None
<b>Re-sightings Post-strike</b>	Immediately following incident, crew members saw a gray, triangle-shaped fin on an animal with approx. 8 ft. of exposed body at the surface. Animal dove quickly.
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

<b>NMFS No.</b>	SS13-09
<b>Indication of Strike</b>	Confirmed
<b>Initial Status</b>	Alive
<b>Subsequent Status</b> (As of the date the NMFS Strike Report is completed)	Unknown
<b>Date of Strike</b>	12/14/09
<b>Date 1st Observed</b>	12/14/09
<b>Species</b>	Right
<b>Individual ID</b>	Unknown
<b>Location 1st Observed</b>	1.5 nm NW of Cape Henry, VA
<b>Latitude/Longitude 1st Observed</b>	36° 57.25' N, 76° 02.1' W
<b>Location of strike</b>	Same as above
<b>Event Summary</b>	USCG cutter reported striking a whale while engaged in escort duties of a naval vessel. No whale seen prior, but crew heard and felt the impact. Crew on board the escorted vessel noted 2 whales surface and pass along the USCG vessel after the interaction. Whales swam away with no apparent signs of injury after 5 minutes. Crew described whales as having v-shaped spout and a white, mottled appearance. Whale could not be relocated.
<b>Description of wounds/condition</b>	No wounds or blood noted.
<b>Vessel Description</b>	USCG cutter
<b>A. Vessel Type</b>	
<b>B. Speed</b>	8-9 knots
<b>C. Size</b>	87 ft.
<b>Sighting prior to strike</b>	None
<b>Re-sightings Post-strike</b>	Immediately following incident, crew members on board escorted naval vessel saw 2 whales surface, spout, and pass down their starboard side, approximately 500 yards astern of USCG vessel. Whales loitered for about 5 minutes, then swam north. Witnesses reported v-shaped spout and white, mottled appearance.
<b>Life History Information</b>	Unknown
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

