

# 2012 Large Whale Entanglement Report

Prepared by  
David Morin and John Kenney

National Marine Fisheries Service  
Protected Resources Division  
55 Great Republic Drive  
Gloucester, MA 01930-2298

Comments or questions, please contact:

David Morin

Assistant Large Whale Disentanglement Coordinator

Email: [David.Morin@NOAA.gov](mailto:David.Morin@NOAA.gov)

Phone: (978) 282-8472

John Kenney

Fisheries Engineer

Email: [John.F.Kenney@NOAA.gov](mailto:John.F.Kenney@NOAA.gov)

Phone: (401) 294-0443

# 2012 Large Whale Entanglement Report

Table 1. 2012 large whale entanglement reports for entangled whales.

Indication of Entanglement\*

	Live	Dead	TOTAL
Right Whale	3	2	5
Humpback Whale	27	0	27
Finback Whale	2	0	2
Minke Whale	7	2	9
Sei Whale	0	0	0
Unknown	0	0	0
<b>TOTAL</b>	<b>39</b>	<b>4</b>	<b>43</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 (CCS) staff and the account was descriptive enough to eliminate doubt about whether or not the whale was entangled.

## 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, status or sighting information. Please contact the appropriate organization for up to date sighting information. 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 reports for the mortality and serious injury determinations for baleen whale stocks along the Gulf of Mexico, United States East Coast and Atlantic Canadian Provinces, 2008-2012 are available online at <http://nefsc.noaa.gov/publications/crd/crd1410/> and <http://nefsc.noaa.gov/publications/crd/crd1505/>

Notes:

- 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). The reported cases within this report should be considered a minimum number and not comprehensive.
- Subsequent status definitions: Entangled = animal was last seen with an entanglement that may or may not be life-threatening; Gear shed = animal shed the entangling gear on its own without human intervention; Disentangled – gear free = animal had all gear completely removed by disentanglement network responders; Disentangled – gear shed = animal had all life-threatening gear removed by disentanglement network responders, but some non-life threatening gear remained and was later shed by the whale.
- 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 CCS, with contributions from Blue Ocean Society, Brier Island Whale and Seabird Cruises and The Whale Center of New England. Please contact Jooke Robbins of CCS for more information.
- Scott Landry of CCS supplied the entanglement diagrams.
- Many thanks to numerous NMFS staff that offered helpful comments.

Table 2. Key for common acronyms

ALWDN	Atlantic Large Whale Disentanglement Network
BOS	Blue Ocean Society
CCS	Center for Coastal Studies, 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
MARS	Marine Animal Rescue Society (Canada)
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
NAB	National Aquarium in Baltimore, MD
NEAq	New England Aquarium Right Whale Research Team, MA
NECWA	New England Coastal Wildlife Alliance, MA
NEFSC	NMFS Protected Species Branch, Northeast Fisheries Science Center
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
OLE	Office of Law Enforcement
RI DEM	Rhode Island Department of Environmental Management
RIEP	Rhode Island Environmental Police
SAG	Surface Active Group
SBNMS	Stellwagen Bank National Marine Sanctuary, MA
SC DNR	South Carolina Department of Natural Resources
SEFSC	NMFS Protected Species Branch, Southeast Fisheries Science Center
SSA	Sea to Shore Alliance
UNC-W	University of North Carolina, Wilmington
USCG	United States Coast Guard
VAq	Virginia Aquarium
VMRC	Virginia Marine Resources Commission
WCNE	The Whale Center of New England, MA
WHOI	Woods Hole Oceanographic Institution, MA
WW	Whale Watch

Table 3. Entanglement summary for 2012 confirmed cases.

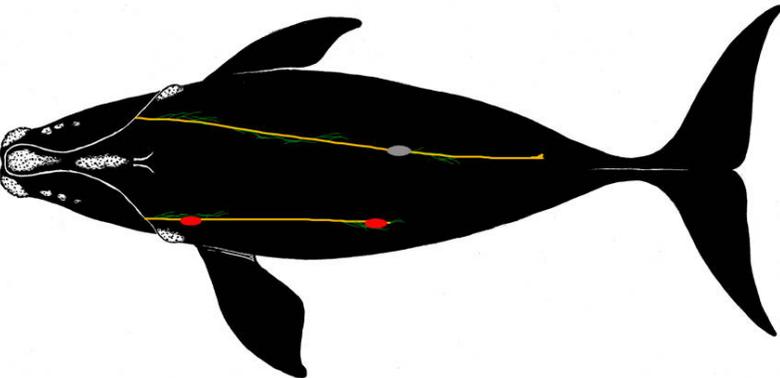
Entanglement Report Number	Species	Date of 1 <sup>st</sup> Observation	Dead/Alive	SI Determination	Gear Collected	Type of Gear	Gear part ID
E01-12	Right	1/07/2012	Alive	Non-SI	No	Gillnet	N
E02-12	Right	1/19/2012	Alive	Non-SI	No	U	U
E03-12	Humpback	1/26/2012	Alive	Non-SI	No	Hook & Line	M
E04-12	Minke	2/04/2012	Alive	PR (Non-SI)	No	Hook & Line	M
E05-12	Right	2/15/2012	Alive	SI	No	Gillnet	N
E06-12	Humpback	3/11/2012	Alive	Non-SI	Yes	Sink Gillnet	N
E07-12	Humpback	4/07/2012	Alive	Non-SI	No	Trap/Pot	B, V, G
E08-12	Humpback	4/13/2012	Alive	Non-SI	No	Trap/Pot	B, V, G
E09-12	Humpback	4/29/2012	Alive	SI	No	Unk Fixed Gear	S, V
E10-12	Humpback	5/18/2012	Alive	Non-SI	Yes	Trap/Pot	S, V
E11-12	Humpback	6/09/2012	Alive	Non-SI	No	Hook & Line	M
E12-12	Humpback	6/10/2012	Alive	Non-SI	No	Hook & Line	M
E13-12	Humpback	6/18/2012	Alive	Non-SI	Yes	Unk Fixed Gear	S, V
E14-12	Minke	6/21/2012	Alive	SI	No	U	U
E15-12	Humpback	6/22/2012	Alive	Non-SI	No	U	U
E16-12	Minke	7/01/2012	Alive	PR (Non-SI)	No	U	N/A
E17-12	Humpback	7/05/2012	Alive	Non-SI	Yes	Trap/Pot	S, V
E18-12	Humpback	7/06/2012	Alive	Non-SI	No	Trap/Pot	S, V
E19-12	Humpback	7/08/2012	Alive	Non-SI	No	U	U
E20-12	Minke	7/13/2012	Alive	PR (Non-SI)	No	U	N/A
E21-12	Finback	7/16/2012	Alive	PR (Non-SI)	No	Unk Fixed Gear	B, V
E22-12	Minke	7/17/2012	Alive	SI	No	U	U
E23-12	Right	7/19/2012	Dead	SI	Yes	U	U
E24-12	Humpback	7/29/2012	Alive	SI	No	U	U

E25-12	Finback	7/30/2012	Alive	PR (Non-SI)	No	Unk Fixed Gear	S, V
E26-12	Minke	8/02/2012	Alive	PR (Non-SI)	No	U	N/A
E27-12	Humpback	8/04/2012	Alive	SI	No	U	U
E28-12	Minke	8/05/2012	Dead	SI	Yes	U	U
E29-12	Humpback	8/16/2012	Alive	Non-SI	No	Hook & Line	M
E30-12	Humpback	8/18/2012	Alive	Non-SI	Yes	Trap/Pot	B, V
E31-12	Humpback	8/21/2012	Alive	PR (Non-SI)	No	Hook & Line	M
E32-12	Minke	8/22/2012	Alive	Non-SI	No	Unk Fixed Gear	B, V
E33-12	Humpback	8/24/2012	Alive	SI	No	U	U
E34-12	Humpback	8/27/2012	Alive	Non-SI	No	Hook & Line	M
E35-12	Humpback	9/03/2012	Alive	Non-SI	No	U	U
E36-12	Humpback	9/16/2012	Alive	Non-SI	Yes	Sink Gillnet	V, N
E37-12	Humpback	9/17/2012	Alive	Non-SI	Yes	Trap/Pot	B, V
E38-12	Humpback	9/23/2012	Alive	Non-SI	No	Hook & Line	M
E39-12	Humpback	9/23/2012	Alive	Non-SI	No	Hook & Line	M
E40-12	Minke	10/04/2012	Dead	SI	No	U	N/A
E41-12	Humpback	10/23/2012	Alive	Non-SI	Yes	Unk Trap/Pot	S, V
E42-12	Humpback	11/27/2012	Alive	Non-SI	Yes	Trap/Pot	S, V
E43-12	Right	12/18/2012	Dead	SI	Yes	Unk Trap/Pot	B, V

Table 3 notes – Dead/Alive column represents the latest known status as of the writing of this report. 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; PR (Non-SI) = insufficient information available to make an informed determination, prorated value of 0.75. Abbreviations within the Vertical/Ground Line ID and Type of Gear: V = Vertical/End Line; B= Single Buoy; S = Surface System (multiple buoys); G = Ground Line; N = Gillnet/Mesh; T = Trap/Pot; M= Monofilament Line; U = Unknown, gear type could not be determined; N/A = Not applicable, no gear was analyzed. 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.

# 2012 Entanglements

<b>NMFS No.</b>	E01-12
<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>	1/07/2012
<b>Species</b>	Right
<b>Individual ID</b>	#3821
<b>Location 1st Observed Entangled</b>	5.1 NM northwest of Sesuit Harbor, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	41° 49.8'N      70° 12.79'W
<b>Event Description</b>	<p>1/07/2012</p> <ul style="list-style-type: none"> <li>• CCS aerial survey located the animal and stood by until the CCS response team arrived. Sea condition was poor so a full disentanglement operation was not possible. It was unclear if the entanglement was life-threatening at the time.</li> </ul> <p>1/26/2012</p> <ul style="list-style-type: none"> <li>• CCS aerial survey located the animal socializing with 4-5 other right whales. The overall entanglement configuration appeared the same as the first sighting. No response was undertaken.</li> </ul> <p>2/05/2012</p> <ul style="list-style-type: none"> <li>• CCS aerial survey located the animal and stood by while the CCS response team, which was already on the water, steamed to the location. The loop over the back still remained so the response team used a projectile cutter to nick the line exiting the left side of the mouth. The line didn't part and the whale's evasive behavior prevented any other attempts.</li> </ul> <p>2/15/2012</p> <ul style="list-style-type: none"> <li>• CCS aerial survey located the animal and stood by while the CCS response team steamed to the location. Using a long pole cutter the team managed to break the loop over the back. No gear was recovered but it was thought this cut would make it easier for the whale to shed the gear on its own.</li> </ul> <p>5/15/2012</p> <ul style="list-style-type: none"> <li>• NEFSC whale survey located the animal and briefly noticed the entanglement before evasive behavior prevented any other documentation or attempts. Due to the distance from shore (~100nm) no local response was undertaken.</li> </ul>

	<p>4/21/2013</p> <ul style="list-style-type: none"> <li>CCS aerial team reported to whale to their response team but poor sea conditions prevented a response.</li> </ul> <p>4/6/2014, 4/9/2014, 4/12/2014</p> <ul style="list-style-type: none"> <li>CCS noticed the animal in post-trip analysis. Whale was behaving normally.</li> </ul>
<p><b>Description of Gear on Whale as Reported</b></p>	
<p><b>A. During Initial Sighting</b></p>	<p>Line with mesh and floats exiting both sides of the mouth. Right line terminated near the thorax/tailstock region. Left line terminated mid-thorax.</p>
<p><b>B. Subsequent Descriptions</b></p>	<p>1/26/2012, 2/05/2012, 2/15/2012</p> <ul style="list-style-type: none"> <li>Line still exiting both sides of the mouth but loosely tangled together over the back to form a loop.</li> </ul> <p>5/15/2012</p> <ul style="list-style-type: none"> <li>The exact configuration was unclear although it appeared that less gear was trailing from the mouth. It was thought a red float was visible as the animal dove.</li> </ul> <p>4/21/2013</p> <ul style="list-style-type: none"> <li>Line exiting the right side of the mouth with one red float visible.</li> </ul> <p>4/6/2014, 4/9/2014, 4/12/2014</p> <ul style="list-style-type: none"> <li>Line exiting the right side of the mouth. No floats visible.</li> </ul>
<p><b>C. Diagram of Entangling Gear on Whale</b></p>	 <p>Diagram of 1/7/2012 configuration.</p>
<p><b>Description of Wounds/Condition</b></p>	
<p><b>A. During Initial Sighting</b></p>	<p>None noted</p>
<p><b>B. Subsequent Descriptions</b></p>	<p>None</p>

<b>Sighting Prior to Entanglement</b>	5/13/2011
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Juvenile; unknown sex
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E01-12		
Field No.	J 010712 rw	Date 1 <sup>st</sup> Observed	1/7/12
Location 1 <sup>st</sup> Observed	5.1 NM northwest of Sesuit Harbor, MA 41° 49.8' N, 70° 12.8' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Right	Gear Recovered (y/n)	No
Individual ID	Eg # 3821	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	Photos taken by various platforms	Depth
		Bottom Type	
Gear Type:	Gillnet	Target Species:	Unknown
<p><u>Gear Description:</u> Photo documentation shows the whale is carrying gillnet. Monofilament webbing and float rope are visible in photographs.</p>			
<p><u>Comments:</u></p>			
<p><u>Conclusions:</u> The whale is carrying monofilament gillnet gear.</p>			
Report By:	John F. Kenney	Date:	6/3/14
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E02-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear shed
<b>Date 1st Observed Entangled</b>	1/19/2012
<b>Species</b>	Right
<b>Individual ID</b>	#1719
<b>Location 1st Observed Entangled</b>	15.5 NM east of St. Simons, GA
<b>Latitude/Longitude 1st Observed Entangled</b>	31° 10.3'N      81° 03.6'W
<b>Event Description</b>	<p>1/19/2012</p> <ul style="list-style-type: none"> <li>SSA aerial survey located the animal and stood by until the GA DNR response team arrived. After documenting the entanglement the team concluded it was non life-threatening.</li> </ul> <p>1/20/2012</p> <ul style="list-style-type: none"> <li>SSA aerial survey located the animal and documented the entanglement was still in the same configuration. No response was undertaken.</li> </ul> <p>3/18/2013</p> <ul style="list-style-type: none"> <li>CCS aerial survey documented that the animal had shed the entangling gear.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Line exited both sides of the mouth. Line out of the right side of the mouth extended just beyond the fluke and was partially frayed near the head. The line out of the left side of the mouth terminated near the beginning of the tailstock and had a frayed bitter end.
<b>B. Subsequent Descriptions</b>	Same as first sighting.
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	Raw entanglement trauma on tailstock and near the mouth area.
<b>B. Subsequent Descriptions</b>	Same as first sighting.
<b>Sighting prior to entanglement</b>	4/22/2011
<b>Re-sightings Post-entanglement</b>	3/18/2013
<b>Life History Information</b>	Adult female

**NMFS Serious Injury/Mortality  
Determination**

Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E02-12		
Field No.	J 011912 rw	Date 1 <sup>st</sup> Observed	1/19/12
Location 1 <sup>st</sup> Observed	15.5 NM east of St. Simons, GA 31° 10.3' N, 81° 03.6' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Right	Gear Recovered (y/n)	No
Individual ID	Eg # 1719	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			
	Other	Photos taken by SSA, GA DNR, FWRI & CCS		Location			
				Depth			
				Bottom Type			
Gear Type:		Unknown		Target Species:			
<p><u>Gear Description:</u>                  Photo documentation shows rope exiting both sides of the whale's mouth. On the right side there appears to be an additional short length of rope spliced in.</p>							
<p><u>Comments:</u></p>							
<p><u>Conclusions:</u>                  The whale is carrying rope of which a gear type or part cannot be determined.</p>							
Report By:	John F. Kenney	Date:	6/3/14	Current Location of Gear	N.A.		

<b>NMFS No.</b>	E03-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear shed
<b>Date 1st Observed Entangled</b>	1/26/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	HWC# 7621
<b>Location 1st Observed Entangled</b>	2.0 NM northeast of Virginia Beach, VA
<b>Latitude/Longitude 1st Observed Entangled</b>	36° 53.071'N      75° 57.386'W
<b>Event Description</b>	<p>1/26/2012</p> <ul style="list-style-type: none"> <li>A WW vessel noted the whale had a fishing lure on its back with monofilament line trailing from it.</li> </ul> <p>12/27/2013</p> <ul style="list-style-type: none"> <li>First gear free sighting. Multiple sightings over the next month confirmed the status.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Lure hooked into the back, just forward of the dorsal fin, with the monofilament line trailing.
<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>	1/21/2012
<b>Re-sightings Post-entanglement</b>	12/27/2013
<b>Life History Information</b>	Unknown sex and age
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E03-12		
Field No.	J 012612 hw	Date 1 <sup>st</sup> Observed	1/26/12
Location 1 <sup>st</sup> Observed	2.0 NM northeast of Virginia Beach, VA 36° 53.1' N, 75° 57.4' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	HWC# 7621	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	Photos taken by an observer aboard a WW vessel.	Depth
		Bottom Type	
Gear Type:	Hook & Line	Target Species:	Unknown
<p><u>Gear Description:</u> Photographic documentation shows the whale was carrying some type of hook/lure and monofilament on its back just forward of the dorsal fin.</p>			
<p><u>Comments:</u></p>			
<p><u>Conclusions:</u> The whale is carrying hook &amp; line gear.</p>			
Report By:	John F. Kenney	Date:	6/3/14
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E04-12
<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>	2/04/2012
<b>Species</b>	Minke
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	6.5 NM north northwest of Virginia Beach, VA
<b>Latitude/Longitude 1st Observed Entangled</b>	36° 57.2'N      76° 01.5'W
<b>Event Description</b>	A USCG vessel briefly sighted the animal entangled with what appeared to be a monofilament and a lure. A WW vessel later that day also sighted an animal carrying similar gear. No photo identification exists; however, based on the description and timing it was believed to be the same animal.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	No description was given.
<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 were visible.
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	None
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown sex and age
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced prorated injury

## FISHERY INTERACTION GEAR ANALYSIS

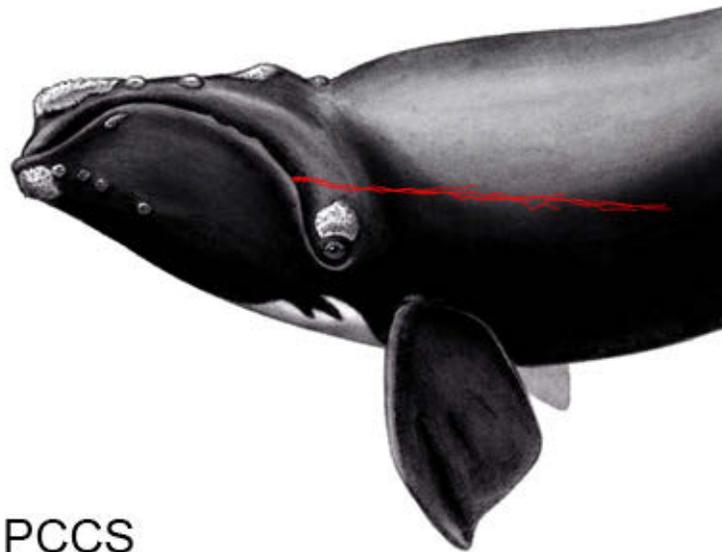
NMFS No.	E04-12		
Field No.	J 020412 mw	Date 1 <sup>st</sup> Observed	2/4/12
Location 1 <sup>st</sup> Observed	6.5 NM north northwest of Virginia Beach, VA 36° 57.2' N, 76° 01.5' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Minke	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	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	USCG	Depth
Bottom Type			
Gear Type:	Hook & Line	Target Species:	Unknown
<u>Gear Description:</u> Based on observations by the USCG, the whale is carrying some monofilament line and a lure.			
<u>Comments:</u>   			
<u>Conclusions:</u> The whale is carrying monofilament line and a lure.			
Report By:	John F. Kenney	Date:	6/3/14
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E05-12
<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>	2/15/2012
<b>Species</b>	Right
<b>Individual ID</b>	#3996
<b>Location 1st Observed Entangled</b>	0.5 NM south of Race Point, Provincetown, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 03.31'N 70° 14.74'W
<b>Event Description</b>	<p>2/15/2012</p> <ul style="list-style-type: none"> <li>CCS located the animal while searching for another entangled whale. The whale was evasive and the entanglement was unclear at the time, although it appeared to be minor.</li> </ul> <p>4/13/2012</p> <ul style="list-style-type: none"> <li>NEFSC aerial survey located the whale while the CCS response team steamed to the location. The whale was again evasive and the entanglement appeared to have shifted into a more serious configuration. The team attempted to cut the loop over the back using a specialized crossbow cutting tool. All attempts missed and the response was halted due to poor sea conditions.</li> </ul> <p>9/09/2012</p> <ul style="list-style-type: none"> <li>BOS aboard a WW briefly located the whale. The animal was spending little time on the surface and overall in worse condition than the previous sighting. No response was undertaken due to the time of day and distance from shore.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Red monofilament mesh exiting the left side of the mouth and terminating near the left flipper.
<b>B. Subsequent Descriptions</b>	<p>4/13 &amp; 9/09/2012</p> <ul style="list-style-type: none"> <li>Line with black floats and red monofilament mesh exiting the left side of the mouth leading over the back just behind the blowholes to either the right flipper or mouth line.</li> </ul>

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



PCCS

**Description of Wounds/Condition**

**A. During Initial Sighting**

**B. Subsequent Descriptions**

Overall the whale was in poor condition.

4/13/2012

- The overall condition was poor and appeared to be slightly worse than the first sighting.

9/09/2012

- The whale was in poor condition and thinner than the previous sighting. Cyamids were present and the skin condition was noticeably pale.

**Sighting prior to entanglement**

4/25/2011

**Re-sightings Post-entanglement**

None

**Life History Information**

Unknown sex, juvenile

**NMFS Serious Injury/Mortality Determination**

Human-induced serious injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E05-12		
Field No.	J 021512 rw	Date 1 <sup>st</sup> Observed	2/15/12
Location 1 <sup>st</sup> Observed	0.5 NM south of Race Point, Provincetown, MA 42° 03.3' N, 70° 14.7' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Right	Gear Recovered (y/n)	No
Individual ID	Eg # 3996	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	Photos taken by CCS and BOS		Depth			
				Bottom Type			
Gear Type:		Gillnet		Target Species:		Unknown	
<p><u>Gear Description:</u>                      Photographic documentation shows gillnet floatline along with a float and some monofilament webbing is running across the whale's back.</p>							
<p><u>Comments:</u></p>							
<p><u>Conclusions:</u>                              The whale is carrying gillnet.</p>							
Report By:	John F. Kenney	Date:	6/3/14	Current Location of Gear	N.A.		

<b>NMFS No.</b>	E06-12
<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>	3/11/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	2.8 NM southeast of Hatteras, NC
<b>Latitude/Longitude 1st Observed Entangled</b>	35° 10.0'N 75° 40.0'W
<b>Event Description</b>	Fisherman reported a humpback whale in his gear. Due to safety concerns NMFS approved the fisherman hauling his gear in an attempt to release the whale. During the hauling the whale broke free of the gear and retained a portion on its head. The fisherman stated he retrieved approximately 98% of his gear.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Whale was described as being "hogtied" in the middle of one of the gear panels.
<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>	None
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown sex; most likely an adult.
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

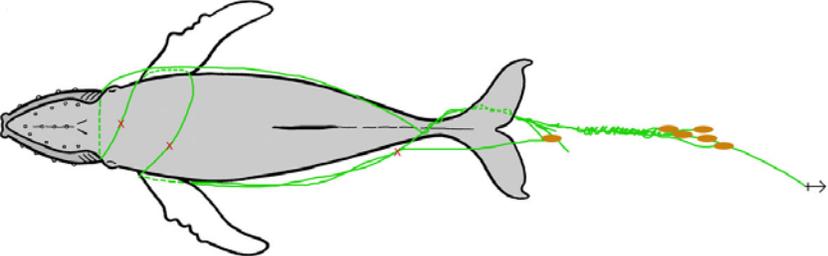
## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E06-12		
Field No.	J 031112 hw	Date 1 <sup>st</sup> Observed	3/11/12
Location 1 <sup>st</sup> Observed	2.8 NM southeast of Hatteras, NC 35° 10.0' N, 75° 40.0' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Partial
Species	Humpback	Gear Recovered (y/n)	Yes
Individual ID	Unknown	Gear Analysis Conducted (y/n)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	3/11/12	Gear Retrieved By	Owner	
Date Gear Received		Received From		
Sources:	USCG	Date Set	Set 3-4 hours earlier	
	CCS	Date Lost		
	Fisherman	Owner interview	Location	Same as 1 <sup>st</sup> sighted
	Other		Depth	40 feet
Bottom Type				
Gear Type:	Sink Gillnet	Target Species:	Smooth dogfish	
<p><u>Gear Description:</u> Based on an interview with the Captain, the original gear configuration consisted of 4 fifty fathom nets tied together. Mesh size of 6" and 25 mesh deep with 81ml twine size. Three 1100 lb weak links were incorporated in the floatline and ROABS (rope of appropriate breaking strength) was used for weak links in up and down line. The string was anchored with a 25 lb. Danforth on each end and buoy lines were 70' of sink rope. The gear set in 40' of water, perpendicular to coast line.</p>				
<p><u>Comments:</u> The whale was caught in middle of the string and when gear was hauled back the middle and end weak link in floatline parted and animal swam off with 4 to 5 fathom of mono webbing.</p>				
<p><u>Conclusions:</u> The whale was entangled in a panel of sink gillnet.</p>				
Report By:	John F. Kenney	Date:	6/9/14	
		Current Location of Gear	Retained by the owner	

<b>NMFS No.</b>	E07-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Disentangled – gear free
<b>Date 1st Observed Entangled</b>	4/07/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	10.1 NM southeast of Southwest Harbor, ME
<b>Latitude/Longitude 1st Observed Entangled</b>	44° 09.46'N 68° 08.41'W
<b>Event Description</b>	<p>4/07/2012</p> <ul style="list-style-type: none"> <li>MMP received the report but were not able to respond until the next day. Few details were given beyond the location.</li> </ul> <p>4/08/2012</p> <ul style="list-style-type: none"> <li>MMP located the animal at the original reported location. Animal was anchored and dragging surface buoys under while diving. Overall, the whale appeared in poor condition. Sea conditions did not allow for a dedicated disentanglement response until later in the week.</li> </ul> <p>4/10/2012</p> <ul style="list-style-type: none"> <li>MMP sent out an aerial team to confirm the whale was still present. MMP and NOAA responded to attach telemetry and conducted a more complete assessment of the entanglement. The weather was still marginal so the disentanglement was planned for the next day.</li> </ul> <p>4/11/2012</p> <ul style="list-style-type: none"> <li>CCS, NOAA and MMP responded and found the animal in the same location. Animal was in very poor health condition but was still difficult and evasive despite being anchored. The whale was eventually set free of all gear after multiple cuts were made.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Lines were visible over the head and back but it was unclear how the animal was entangled.
<b>B. Subsequent Descriptions</b>	<p>4/11/2012</p> <ul style="list-style-type: none"> <li>Line exiting both sides of the mouth and then formed multiple loops around the body and most likely the flippers. Line embedded on the tailstock.</li> </ul>

<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>Entanglement trauma visible over the back and head. Overall condition was poor.</p>
<p><b>B. Subsequent Descriptions</b></p>	<p>4/11/2012</p> <ul style="list-style-type: none"> <li>Line was embedded on the tail. Animal was thin with poor skin condition and cyamids.</li> </ul>
<p><b>Sighting prior to entanglement</b></p>	<p>Unknown</p>
<p><b>Re-sightings Post-entanglement</b></p>	<p>4/13/2012 – another entanglement</p>
<p><b>Life History Information</b></p>	<p>Unknown</p>
<p><b>NMFS Serious Injury/Mortality Determination</b></p>	<p>Human-induced injury</p>

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E07-12		
Field No.	J 040712	Date 1 <sup>st</sup> Observed	4/7/12
Location 1 <sup>st</sup> Observed	10.1 NM southeast of Southwest harbor, ME 44° 09.5' N, 68° 08.4' 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)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved				Gear Retrieved By			
Date Gear Received				Received From			
Sources:	USCG			Date Set			
	CCS			Date Lost		Last hauled: 4 & 5 days earlier	
	Fisherman	2 Owner Interviews		Location		Same as location 1 <sup>st</sup> sighted	
	Other			Depth			
Bottom Type							
Gear Type:		Trap / Pot		Target Species:		Lobster	
<p><u>Gear Description:</u> Trap/pot gear consisting of 2 sets of doubles with individual owners. Both sets of gear similar: Two traps to a single endline with ~12 fathom 3/8" sink groundline. Endline 3/8", 50% sink, 50% float. Surface buoys were attached to sink rope with 600# SeaSide swivels. Toggles were incorporated into both endlines approximately 5 fathoms below the surface buoy and were attached with weak links.</p>							
<p><u>Comments:</u></p>							
<p><u>Conclusions:</u> The whale was entangled in trap/pot gear targeting lobster. This gear was set in federal waters.</p>							
Report By:	John F. Kenney	Date:	6/4/14	Current Location of Gear	N.A.		

<b>NMFS No.</b>	E08-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Disentangled – monitor (non-life threatening gear remaining)
<b>Date 1st Observed Entangled</b>	4/13/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Same animal as E07-12
<b>Location 1st Observed Entangled</b>	18.7 NM southeast of Southwest Harbor, ME
<b>Latitude/Longitude 1st Observed Entangled</b>	44° 01.779'N 68° 08.805'W
<b>Event Description</b>	<p>4/13/2012</p> <ul style="list-style-type: none"> <li>MMP received the report and found the animal anchored in multiple sets of gear. Telemetry was deployed for a full attempt the next day.</li> </ul> <p>4/14/2012</p> <ul style="list-style-type: none"> <li>MMP, NOAA and COA mounted a full disentanglement effort and managed to cut the gear in at least three places. Line was left in the mouth but was thought to no longer be life-threatening.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Multiple lines and buoys from different gear sets.
<b>B. Subsequent Descriptions</b>	<p>4/14/2012</p> <ul style="list-style-type: none"> <li>Multiple lines exiting out of the right side of the mouth, leading to a number of loops under and over the body. Two lines twisted together beyond the flukes with multiple lines leading to 4+ bullet buoys and numerous lines leading to the anchoring gear.</li> </ul>
<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>	None
<b>Sighting prior to entanglement</b>	4/11//2012
<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.	E08-12		
Field No.	J 041312 hw	Date 1 <sup>st</sup> Observed	4/13/12
Location 1 <sup>st</sup> Observed	18.7 NM southeast of Southwest harbor, ME 44° 01.8' N, 68° 08.8' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Disentanglement
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Unknown/same as E07-12	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	Last hauled: 4 & 5 days earlier
	Fisherman	2 Owner Interviews	Location Same as location 1 <sup>st</sup> sighted
	Other		Depth
Bottom Type			
Gear Type:	Trap / Pot	Target Species:	Lobster
<p><u>Gear Description:</u>            Trap/pot gear consisting of 2 sets of triples with individual owners. Both sets of gear similar: Three traps to a single endline with 3/8" sink groundline. One set had 12 fathoms between traps and the other had 16 fathoms between traps. Surface buoys were attached to the endlines with 600 pound weak links. Toggles were incorporated into both endlines approximately 5 fathoms below the surface buoy. Endlines were 3/8" and approximately 50% sink rope on the top and 50% float rope on the bottom.</p>			
<p><u>Comments:</u></p>			
<p><u>Conclusions:</u>            The whale was entangled in trap/pot gear targeting lobster. This gear was set in federal waters.</p>			
Report By:	John F. Kenney	Date:	6/4/14
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E09-12
<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>	4/29/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	10.5 NM east southeast of Chatham, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	41° 35.9'N 69° 46.2'W
<b>Event Description</b>	A commercial fisherman had a brief sighting of the entangled whale while heading back into port. They were unable to stand by. USCG offered assistance to relocate the entangled whale but were unable to locate the whale. CCS later conducted an aerial survey in the general reported location and located an anchored entangled humpback whale that matched the description from the fisherman. Due to sea conditions a response was not possible that day. The next day CCS conducted aerial and on-water surveys of the area in an attempt to relocate the whale, but did not find the animal. It is unclear if the animal broke away from the gear still entangled or free.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Wrapped in gillnet with pickup buoy and highflier.
<b>B. Subsequent Descriptions</b>	Weighted gear on tail pulling it below the surface. Yellow and blue buoy near the tail, leading to the tail/weighted gear.
<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>	None
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown sex and age
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced serious injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E09-12		
Field No.	J 042912 hw	Date 1 <sup>st</sup> Observed	4/29/12
Location 1 <sup>st</sup> Observed	10.5 NM east southeast of Chatham, MA 41° 35.9' N, 69° 46.2' 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)	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	Photos taken by CCS	Depth
		Bottom Type	
Gear Type:	Unknown Fixed Gear		Target Species: Unknown
<u>Gear Description:</u> <p style="text-align: center;">Photographic documentation shows the whale is carrying a buoy and buoy line.</p>			
<u>Comments:</u> 			
<u>Conclusions:</u> <p style="text-align: center;">The whale is carrying a buoy and buoy line from an unknown type of fixed gear.</p>			
Report By:	John F. Kenney	Date:	6/4/14
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E10-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear shed
<b>Date 1st Observed Entangled</b>	5/18/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Basmati (with calf)
<b>Location 1st Observed Entangled</b>	6.4 NM northwest of Race Point, Provincetown, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 09.0'N 70° 19.8'W
<b>Event Description</b>	<p>5/18/2012</p> <ul style="list-style-type: none"> <li>• WW vessel reported and stood by entangled whale until the CCS response team arrived. Despite a relatively simple entanglement on the mother, worsening sea conditions and evasive whales prevented the team from removing the gear.</li> </ul> <p>5/31/2012</p> <ul style="list-style-type: none"> <li>• A CCS research cruise spotted and documented the mother and calf pair free of gear.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Line caught in an old wound on the leading edge of fluke. Buoy trailing right at edge of 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>	5/14/2012
<b>Re-sightings Post-entanglement</b>	5/31/2012
<b>Life History Information</b>	Adult female
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E10-12		
Field No.	J 051812 hw	Date 1 <sup>st</sup> Observed	5/18/12
Location 1 <sup>st</sup> Observed	6.4 NM northwest of Race Point, Provincetown, MA 42° 09.0' N, 70° 19.8' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Partial
Species	Humpback	Gear Recovered (y/n)	Yes
Individual ID	Basmati	Gear Analysis Conducted (y/n)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	5/18/12	Gear Retrieved By	CCS	
Date Gear Received	7/12/12	Received From	CCS	
Sources:	USCG	Date Set		
	CCS	Date Lost	Last hauled 5/16/12	
	Fisherman	Owner interview	Location	Same as location 1 <sup>st</sup> sighted
	Other		Depth	70 feet
			Bottom Type	Sand
Gear Type:	Trap / Pot	Target Species:	Lobster	
<p><u>Gear Description:</u> The original configuration was a 20 trap trawl with 3/8" sink groundline. The trawl was marked at each end with endlines comprised of approximately 1/3 float rope at the bottom and 2/3 sink rope at the top. Diameter of the endline was primarily 3/8" with a section of 5/16" just below the buoy.</p>				
<p><u>Comments:</u></p>				
<p><u>Conclusions:</u> The whale was entangled in the endline of trap/pot gear targeting lobster and set in federal waters.</p>				
Report By:	John F. Kenney	Date:	5/4/14	
		Current Location of Gear	NMFS, RI	

<b>NMFS No.</b>	E11-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear shed
<b>Date 1st Observed Entangled</b>	6/09/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Etch-A-Sketch
<b>Location 1st Observed Entangled</b>	6.2 NM northwest of Race Point, Provincetown, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 08.08'N 70° 19.6'W
<b>Event Description</b>	<p>6/09/2012</p> <ul style="list-style-type: none"> <li>Multiple WW companies reported the whale having a monofilament line trailing over the fluke. This individual was seen almost every day previous to this sighting so it was thought the entanglement was relatively new.</li> </ul> <p>6/10/2012</p> <ul style="list-style-type: none"> <li>Numerous WW companies sighted the whale and no gear was seen.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Monofilament line seen draped over the fluke when diving. Unknown attachment point.
<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>	6/08/2012
<b>Re-sightings Post-entanglement</b>	6/10/2012
<b>Life History Information</b>	Adult female
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E11-12		
Field No.	J 060912 hw	Date 1 <sup>st</sup> Observed	6/9/12
Location 1 <sup>st</sup> Observed	6.2 NM northwest of Race Point, Provincetown, MA 42° 08.1' N, 70° 19.6' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Etch-A-Sketch	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	Photos taken by WCNE	Depth
		Bottom Type	
Gear Type:	Hook & Line		Target Species: Unknown
<u>Gear Description:</u> Photographic documentation shows the whale was carrying some monofilament line.			
<u>Comments:</u>			
<u>Conclusions:</u> The whale is carrying some monofilament line.			
Report By:	John F. Kenney	Date:	6/4/14
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E12-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear shed
<b>Date 1st Observed Entangled</b>	6/10/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Apex
<b>Location 1st Observed Entangled</b>	14.8 NM east southeast of Chatham, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	41° 37.91'N 69° 36.88'W
<b>Event Description</b>	<p>6/10/2012</p> <ul style="list-style-type: none"> <li>• WW vessel witnessed the animal become entangled in gear. The vessel did not report the incident until 6 days later.</li> </ul> <p>6/19/2012</p> <ul style="list-style-type: none"> <li>• Whale seen gear free.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Monofilament line seen trailing over the flukes with an unknown attachment point.
<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>	6/10/2012
<b>Re-sightings Post-entanglement</b>	6/19/2012
<b>Life History Information</b>	Consult CCS
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E12-12		
Field No.	J 061012 hw	Date 1 <sup>st</sup> Observed	6/10/12
Location 1 <sup>st</sup> Observed	14.8 NM east southeast of Chatham, MA 41° 37.9' N, 69° 36.9' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Apex	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	Photos taken by NECWA		Depth			
				Bottom Type			
Gear Type:		Hook & Line		Target Species:		Unknown	
<p><u>Gear Description:</u> Photographic documentation shows the whale is carrying some monofilament line.</p>							
<p><u>Comments:</u> The NECWA and Tails of the Sea WW witnessed the humpback, Apex, become entangled by recreational fishing gear.</p>							
<p><u>Conclusions:</u> The whale is carrying some monofilament line.</p>							
Report By:	John F. Kenney	Date:	6/5/14	Current Location of Gear	N.A.		

<b>NMFS No.</b>	E13-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Partially disentangled - gear shed
<b>Date 1st Observed Entangled</b>	6/18/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Sabot
<b>Location 1st Observed Entangled</b>	7.2 NM northwest of Race Point, Provincetown, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 10.19'N 70° 19.38'W
<b>Event Description</b>	<p>6/18/2012</p> <ul style="list-style-type: none"> <li>• WW vessel reported and stood by the animal with assistance from other WW vessels until the CCS response team arrived. During the disentanglement operation the weak link popped leaving a small portion of line still in the mouth that the team thought the whale would shed at a later date.</li> </ul> <p>6/19/2012</p> <ul style="list-style-type: none"> <li>• Whale seen gear free.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Line exiting the right side of the mouth and terminating near the dorsal fin. Line exiting out of the left side of the mouth led to a weak link near the flippers and then led to a green polyball and red float.
<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>	8/12/2011
<b>Re-sightings Post-entanglement</b>	6/19/2012
<b>Life History Information</b>	Consult CCS
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E13-12		
Field No.	J 061812 hw	Date 1 <sup>st</sup> Observed	6/18/12
Location 1 <sup>st</sup> Observed	7.2 NM northwest of Race Point, Provincetown, MA 42° 10.2' N, 70° 19.4' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Partial
Species	Humpback	Gear Recovered (y/n)	Yes
Individual ID	Sabot	Gear Analysis Conducted (y/n)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	6/18/12	Gear Retrieved By	CCS
Date Gear Received	7/15/12	Received From	CCS
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Depth	
		Bottom Type	
Gear Type:	Unknown Fixed Gear	Target Species:	Unknown
<p><u>Gear Description:</u>                  The gear consists of a surface system (highflier missing) and a parted off 600# weak link that had been attached to an endline. The weak link parted during the disentanglement effort.</p>			
<p><u>Comments:</u></p>			
<p><u>Conclusions:</u>                  The whale was carrying a surface system and endline from an unknown type of fixed gear.</p>			
Report By:	John F. Kenney	Date:	6/5/12
		Current Location of Gear	NMFS, RI

<b>NMFS No.</b>	E14-12
<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>	6/21/2012
<b>Species</b>	Minke
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	4.6 NM east of Frenchboro, ME
<b>Latitude/Longitude 1st Observed Entangled</b>	44° 05.95'N 68° 15.51'W
<b>Event Description</b>	WW vessel reported and stood by animal until MMP and COA vessels arrived. All attempts at attaching a working line failed due to lack of trailing gear. The whale was eventually lost due to erratic behavior. A MMP search conducted the next day did not locate the animal.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Line exiting both sides of the mouth leading to a tangle behind the blowholes. Lines exiting both sides of the tangle and leading under the belly. At least one flipper was pinned. No trailing gear.
<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>	Described as emaciated, very poor skin condition, line embedded on both sides of mouth.
<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

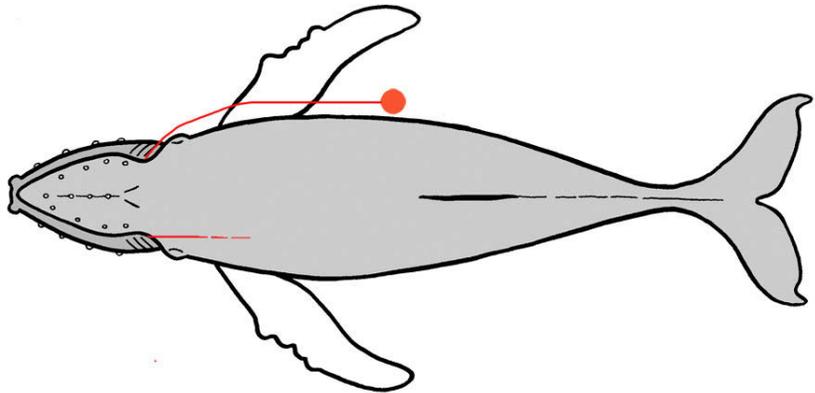
NMFS No.	E14-12		
Field No.	J 062112 mw	Date 1 <sup>st</sup> Observed	6/21/12
Location 1 <sup>st</sup> Observed	4.6 NM east of Frenchboro, ME 44° 06.0' N, 68° 15.5' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Minke	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	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	Photos taken by Bar Harbor WW Co.	Depth
	Bottom Type		
Gear Type:	Unknown		Target Species:
<u>Gear Description:</u> <p style="text-align: center;">Photographic documentation shows the whale is carrying rope.</p>			
<u>Comments:</u> 			
<u>Conclusions:</u> <p style="text-align: center;">The whale is carrying rope of which a gear type or part cannot be determined.</p>			
Report By:	John F. Kenney	Date:	6/5/14
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E15-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear shed
<b>Date 1st Observed Entangled</b>	6/22/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Dome (with calf)
<b>Location 1st Observed Entangled</b>	8.5 NM east of Chatham, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	41° 40.53'N 69° 44.73'W
<b>Event Description</b>	<p>6/22/2012</p> <ul style="list-style-type: none"> <li>CCS response team, while responding to an entangled turtle report, overheard on the radio a recreational fisherman reporting the entangled whale to the USCG. CCS was on-scene minutes later and observed an agitated mother and calf traveling at a high rate of speed. The team attempted to remove the gear, but this increased the level of agitation and they suspended any further efforts. It was unclear if the entanglement was life-threatening.</li> </ul> <p>7/3/2012</p> <ul style="list-style-type: none"> <li>WW vessel reported and stood by with assistance of other WW vessels until the CCS response team arrived. The whale again proved evasive and the team was unsuccessful at removing the gear. It was still unclear if the entanglement was life-threatening.</li> </ul> <p>7/11/2012</p> <ul style="list-style-type: none"> <li>CCS research cruise briefly sighted the mother/calf pair but could not confirm that gear was still present.</li> </ul> <p>7/27/2012</p> <ul style="list-style-type: none"> <li>CCS research cruise confirmed the whale was gear free.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Line exiting both sides of the mouth with a short piece exiting the left side. A longer section of line exited the right side of the mouth and terminated with a small polyball near the dorsal fin.
<b>B. Subsequent Descriptions</b>	None

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



**Description of Wounds/Condition**

**A. During Initial Sighting**

None noted

**B. Subsequent Descriptions**

None

**Sighting prior to entanglement**

6/21/2012

**Re-sightings Post-entanglement**

7/27/2012

**Life History Information**

Adult female

**NMFS Serious Injury/Mortality Determination**

Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E15-12		
Field No.	J 062212 hw	Date 1 <sup>st</sup> Observed	6/22/12
Location 1 <sup>st</sup> Observed	8.5 NM east of Chatham, MA 41° 40.5' N, 69° 44.7' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Dome	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	Photos taken by CCS.	
		Depth	
		Bottom Type	
Gear Type:	Hook & Line	Target Species:	Unknown
<p><u>Gear Description:</u>  Photographic documentation and observations indicate the whale is carrying a small (~ 12 inch diameter) poly ball, some small diameter rope and some monofilament line.</p>			
<p><u>Comments:</u></p>			
<p><u>Conclusions:</u>  The whale is carrying a small (~ 12 inch diameter) poly ball, some small diameter rope and some monofilament line.</p>			
Report By:	John F. Kenney	Date:	6/5/14
		Current Location of Gear	N.A.

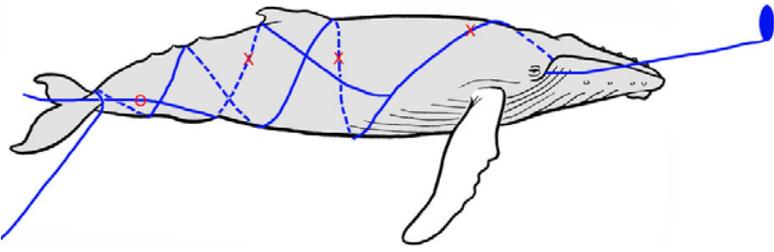
<b>NMFS No.</b>	E16-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Entangled
<b>Date 1st Observed Entangled</b>	7/01/2012
<b>Species</b>	Minke
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	23.2 NM southeast of Portsmouth, NH
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 52.3'N 70° 15.2'W
<b>Event Description</b>	Recreational boaters spotted the animal that had an associated small round buoy that sank when the animal dove. No documentation of the event and the exact entanglement configuration was unknown.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Small orange inflatable buoy sank when the animal dove. Exact entanglement configuration was unknown.
<b>B. Subsequent Descriptions</b>	None
<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>	None
<b>Sighting prior to entanglement</b>	None
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown sex and age
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced prorated injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E16-12		
Field No.	J 070112 mw	Date 1 <sup>st</sup> Observed	7/1/12
Location 1 <sup>st</sup> Observed	23.2 NM southeast of Portsmouth, NH 42° 52.3' N, 70° 12.2' 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:	6/5/14
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E17-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Disentangled – gear free
<b>Date 1st Observed Entangled</b>	7/05/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Hiatus
<b>Location 1st Observed Entangled</b>	5.0 NM northeast of Chatham, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	41° 44.082'N 69° 51.656'W
<b>Event Description</b>	Recreational fisherman reported the anchored whale to CCS who responded immediately. When the response team arrived they found the animal heavily wrapped around the body by line, including some line in the mouth leading to a highflier. The team made several cuts and eventually the weight of the anchoring gear removed the remaining line from the body and the animal released the line and highflier from its mouth.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	At least four complete wraps around the body and peduncle. One section of line was in the mouth and led to a highflier floating nearby. Line led from the peduncle to the weighted gear below.
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	Fresh entanglement chaffing on body and peduncle.
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	12/02/2011
<b>Re-sightings Post-entanglement</b>	7/05/2012
<b>Life History Information</b>	Consult CCS

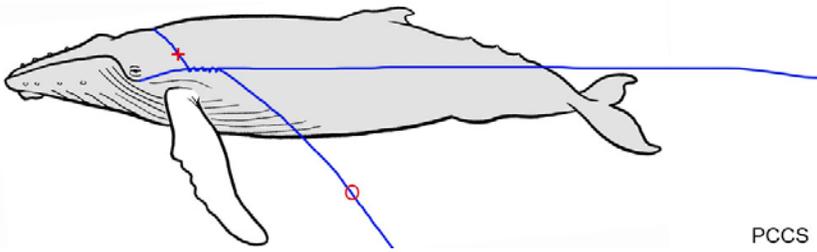


## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E17 -12		
Field No.	J 070512 hw	Date 1 <sup>st</sup> Observed	7/5/12
Location 1 <sup>st</sup> Observed	5.0 NM northeast of Chatham, MA 41° 44.1' N, 69° 51.6' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Disentanglement
Species	Humpback	Gear Recovered (y/n)	Yes
Individual ID	Hiatus	Gear Analysis Conducted (y/n)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	7/5/12	Gear Retrieved By	CCS
Date Gear Received	7/12/12	Received From	CCS
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman	Owner Interview	Location
	Other		Depth
		Bottom Type	Rocky
Gear Type:	Trap / Pot	Target Species:	Lobster
<p><u>Gear Description:</u> The recovered gear consists of a highflier connected with a 600 pound weak link to approximately 15 fathoms of 7/16" sinking endline.</p>			
<p><u>Comments:</u> The gear was originally configured as a 10 pot trawl with endlines at each end. Endlines are entirely sink rope with the exception of 4 fathoms of float rope at the bottom. Groundline consists of 3/8" sink rope with approximately 20 fathoms between traps.</p>			
<p><u>Conclusions:</u> The whale was entangled in the endline/surface system of lobster gear.</p>			
Report By:	John F. Kenney	Date:	6/5/14
		Current Location of Gear	NMFS, RI

<b>NMFS No.</b>	E18-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Disentangled – gear free
<b>Date 1st Observed Entangled</b>	7/06/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Serengeti
<b>Location 1st Observed Entangled</b>	5.0 NM northeast of Chatham, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	41° 44.6'N 69° 52.3'W
<b>Event Description</b>	The anchored whale was reported by a number of recreational fishermen. USCG and CCS responded and found the small humpback with fresh entanglement chaffing trauma. While in transit a commercial fisherman contacted CCS and gave a detailed description of the entangling gear which greatly aided the disentanglement effort. After attaching flotation to aid in the disentanglement effort and recovery the gear, the team made one specific cut near the head. The pull from the weighted gear then allowed the line to exit the mouth resulting in a gear free animal.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Line exited both sides of the mouth and twisted together off the left side of the head. One line led down to weighted gear and the other trailed back beyond the tail.
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	Minor entanglement chaffing on the tailstock.
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	6/21/2012
<b>Re-sightings Post-entanglement</b>	7/06/2012
<b>Life History Information</b>	Juvenile; unknown sex

**NMFS Serious Injury/Mortality  
Determination**

Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

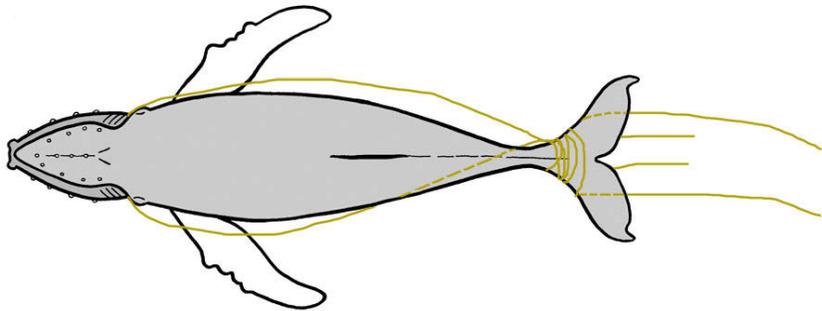
NMFS No.	E18-12		
Field No.	J 070612 hw	Date 1 <sup>st</sup> Observed	7/6/12
Location 1 <sup>st</sup> Observed	5.0 NM northeast of Chatham, MA 41° 44.6' N, 69° 52.3' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Disentanglement
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Serengeti	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	Photos taken by CCS	
		Depth	
		Bottom Type	
Gear Type:	Trap / Pot	Target Species:	Lobster
<p><u>Gear Description:</u> Photo documentation and first hand descriptions indicate the entangling gear consisted of endline and several buoys, including a highflier.</p>			
<p><u>Comments:</u> The gear was originally configured as a 10 pot trawl with endlines at each end. Endlines are entirely sink rope of 7/16" diameter with the exception of 4 fathoms of float rope at the bottom. Groundline consists of 3/8" sink rope with approximately 20 fathoms between traps.</p>			
<p><u>Conclusions:</u> The whale was entangled in the endline/surface system of lobster gear.</p>			
Report By:	John F. Kenney	Date:	6/6/12
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E19-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear shed
<b>Date 1st Observed Entangled</b>	7/08/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Piano
<b>Location 1st Observed Entangled</b>	6.2 NM north of Chatham, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	41° 46.68'N 69° 54.36'W
<b>Event Description</b>	<p>7/08/2012</p> <ul style="list-style-type: none"> <li>Recreational boaters reported the entangled whale traveling slowly with trailing gear. CCS responded and found the animal in poor condition with multiple wraps around the tail. The team made multiple attempts to grapple the gear to aid disentanglement but no attachment remained for more than a few seconds. The effort was further complicated when the animal associated with another humpback.</li> </ul> <p>7/09/2012</p> <ul style="list-style-type: none"> <li>CCS aerial team located the whale during a dedicated search effort. The aerial team was able to document the entanglement further and discovered lines leading from the mouth. CCS response team was on scene by late morning and again attempted to grapple the gear. All attempts at attachment failed mainly due to an evasive whale.</li> </ul> <p>8/07/2012</p> <ul style="list-style-type: none"> <li>CCS spotted the animal gear free. Significant wounds from the entanglement on the tail were still present.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Multiple wraps around the tail with just a few very short pieces of line trailing.
<b>B. Subsequent Descriptions</b>	Line exiting both sides of the mouth, leading to multiple wraps around the tail. A few short pieces of line trailed beyond the tail.

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



**Description of Wounds/Condition**

**A. During Initial Sighting**

Significant embedded entanglement trauma on the tail. Animal was thin and had poor skin condition.

**B. Subsequent Descriptions**

Entanglement trauma still present.

**Sighting prior to entanglement**

5/07/2012

**Re-sightings Post-entanglement**

8/07/2012

**Life History Information**

Consult CCS

**NMFS Serious Injury/Mortality Determination**

Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E19-12		
Field No.	J 070812 hw	Date 1 <sup>st</sup> Observed	7/8/12
Location 1 <sup>st</sup> Observed	6.2 NM north of Chatham, MA 41° 46.7' N, 69° 54.4' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Piano	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	Photos taken by CCS		Depth			
				Bottom Type			
Gear Type:		Unknown - no gear recovered		Target Species:			
<u>Gear Description:</u> <p style="text-align: center;">Photographic documentation shows the whale is carrying rope.</p>							
<u>Comments:</u> 							
<u>Conclusions:</u> <p style="text-align: center;">The whale is carrying rope of which a gear type or part cannot be determined.</p>							
Report By:	John F. Kenney	Date:	6/6/14	Current Location of Gear	N.A.		

<b>NMFS No.</b>	E20-12
<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>	7/13/2012
<b>Species</b>	Minke
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	10.5 NM southwest of Jonesport, ME
<b>Latitude/Longitude 1st Observed Entangled</b>	44° 22.22'N 67° 42.17'W
<b>Event Description</b>	Recreational boater reported the animal which was relayed to MMP and the USCG. Before MMP was on scene the boater cut the whale from the anchoring gear. No evidence all the gear was removed.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Unknown, one photo suggests the whale at least had line in the mouth. Line and a buoy appeared to be involved.
<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>	None
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown sex and age
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced prorated injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E20-12		
Field No.	J 071312 mw	Date 1 <sup>st</sup> Observed	7/13/12
Location 1 <sup>st</sup> Observed	10.5 NM southwest of Jonesport, ME 44° 22.2' N, 67° 42.2' 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:	6/6/14	Current Location of Gear	N.A.

<b>NMFS No.</b>	E21-12
<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>	7/16/2012
<b>Species</b>	Finback
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	16.5 NM southeast of Portland, ME
<b>Latitude/Longitude 1st Observed Entangled</b>	43° 29.0'N 69° 57.53'W
<b>Event Description</b>	<p>7/16/2012</p> <ul style="list-style-type: none"> <li>• WW vessel documented the entangled whale. Due to the distance from shore and the inability of the WW vessel to stand by, no response was undertaken.</li> </ul> <p>7/17/2012</p> <ul style="list-style-type: none"> <li>• The same WW vessel spotted the animal again and acquired additional documentation. Due to the distance from shore and the inability of the WW vessel to stand by, no response was undertaken.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Line trailing with a bullet buoy at least 30-40 yards behind the animal. Buoy was only on the surface after the animal dove.
<b>B. Subsequent Descriptions</b>	Entanglement configuration appeared to be the same.
<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 on leading edge of dorsal fin and along flank of the body.
<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown age and sex
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced prorated injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E21-12		
Field No.	J 071612 fw	Date 1 <sup>st</sup> Observed	7/16/12
Location 1 <sup>st</sup> Observed	16.5 NM southeast of Portland, ME 43° 29.0' N, 69° 57.5' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Finback	Gear Recovered (y/n)	No
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	Photos taken by WW Vessel Odyssey		Depth			
				Bottom Type			
Gear Type:		Unknown Fixed Gear		Target Species:		Unknown	
<u>Gear Description:</u> <p style="text-align: center;">Photographic documentation shows the whale is carrying a buoy and endline.</p>							
<u>Comments:</u> 							
<u>Conclusions:</u> <p style="text-align: center;">The whale is carrying a buoy and buoy line from an unknown type of fixed gear.</p>							
Report By:	John F. Kenney	Date:	6/6/14	Current Location of Gear	N.A.		

<b>NMFS No.</b>	E22-12
<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>	7/17/2012
<b>Species</b>	Minke
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	1.7 NM north northeast of Chatham, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	44° 41.5'N 69° 55.4'W
<b>Event Description</b>	Recreational boaters documented the animal close to shore but quickly lost sight of the animal. CCS arrived but was unable to relocate the animal due to increasing seas.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Thin dark line exiting the left side of the mouth leading tightly over the back. The remaining entanglement configuration was unknown.
<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>	Animal was in poor overall condition. Thin, poor skin condition, flopped-over dorsal fin.
<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 sex and age
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced serious injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E22-12		
Field No.	J 071712 mw	Date 1 <sup>st</sup> Observed	7/17/12
Location 1 <sup>st</sup> Observed	1.7 NM north northeast of Chatham, MA 44° 41.5' N, 69° 55.4' 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)	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	Photos taken by recreational boater		Depth			
				Bottom Type			
Gear Type:		Unknown		Target Species:			
<u>Gear Description:</u> <p style="text-align: center;">Photographic documentation shows the whale is carrying rope.</p>							
<u>Comments:</u> 							
<u>Conclusions:</u> <p style="text-align: center;">The whale is carrying rope of which a gear type or part cannot be determined.</p>							
Report By:	John F. Kenney	Date:	6/6/14	Current Location of Gear	N.A.		

<b>NMFS No.</b>	E23-12
<b>Initial Status</b>	Dead
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Deceased
<b>Date 1st Observed Entangled</b>	7/19/2012
<b>Species</b>	Right
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	Clam Bay, Nova Scotia, Canada
<b>Latitude/Longitude 1st Observed Entangled</b>	44° 43.603'N 62° 54.92'W
<b>Event Description</b>	Heavily decomposed entangled carcass washed ashore. A necropsy was performed and the gear was recovered.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Massive amount of wraps around the tailstock and 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>	None
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Female; unknown age
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced mortality

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E23-12		
Field No.	J 071912 rw	Date 1 <sup>st</sup> Observed	7/19/12
Location 1 <sup>st</sup> Observed	Clam Bay, Nova Scotia, Canada 44° 43.6' N, 62° 54.9' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Carcass
Species	Right	Gear Recovered (y/n)	Yes
Individual ID	Unknown	Gear Analysis Conducted (y/n)	By DFO

### 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	Target Species:	
<u>Gear Description:</u> <p style="text-align: center;">Large diameter rope.</p>			
<u>Comments:</u> <p style="text-align: center;">The gear was examined by a number of DFO Officers with experience in the offshore fisheries, however, they were unable to determine a gear type.</p>			
<u>Conclusions:</u> <p style="text-align: center;">Large diameter rope.</p>			
Report By:	John F. Kenney	Date:	6/6/14
		Current Location of Gear	DFO

<b>NMFS No.</b>	E24-12
<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>	7/29/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	15.2 NM southeast of Gloucester, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 24.02'N 70° 26.16'W
<b>Event Description</b>	WW vessel spotted a calf entangled near the end of a trip in poor sea conditions. The CCS response team was not notified until the next day so no response was undertaken.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Black/green line tightly around the tailstock, which appeared to originate near the forward part of the animal.
<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>	Extensive fresh entanglement trauma on the tailstock.
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	None
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Calf; unknown sex
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced serious injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E24-12		
Field No.	J 072912 hw	Date 1 <sup>st</sup> Observed	7/29/12
Location 1 <sup>st</sup> Observed	15.2 NM southeast of Gloucester, MA 42° 24.0' N, 70° 26.2' 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)	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	Photos taken by WW Vessel Privateer IV		Depth			
				Bottom Type			
Gear Type:		Unknown		Target Species:			
<u>Gear Description:</u> <p style="text-align: center;">Photographic documentation shows the whale is carrying rope.</p>							
<u>Comments:</u> 							
<u>Conclusions:</u> <p style="text-align: center;">The whale is carrying rope of which a gear type or part cannot be determined.</p>							
Report By:	John F. Kenney	Date:	6/6/14	Current Location of Gear	N.A.		

<b>NMFS No.</b>	E25-12
<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>	7/30/2012
<b>Species</b>	Finback
<b>Individual ID</b>	BOS# 0631
<b>Location 1st Observed Entangled</b>	16.5 NM east southeast of Portsmouth, NH
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 56.7'N 70° 21.4'W
<b>Event Description</b>	WW vessel reported the entangled animal to the CCS response team; however, the response team was already searching for a reported entangled humpback whale. No other response team was available so no response was undertaken.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Two bullet buoys seen trailing approximately 60 feet behind the animal.
<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>	6/6/2008
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Adult; unknown sex
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced prorated injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E25-12		
Field No.	J 073012 fw	Date 1 <sup>st</sup> Observed	7/30/12
Location 1 <sup>st</sup> Observed	6.5 NM east southeast of Portsmouth, NH 42° 56.7' N, 70° 21.4' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Finback	Gear Recovered (y/n)	No
Individual ID	BOS #0631	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	Photos taken by BOS		Depth			
				Bottom Type			
Gear Type:		Unknown Fixed Gear		Target Species:		Unknown	
<u>Gear Description:</u> <p style="text-align: center;">Photographic documentation shows the whale is carrying 2 buoys and endline.</p>							
<u>Comments:</u> 							
<u>Conclusions:</u> <p style="text-align: center;">The whale is carrying buoys and buoy line from an unknown type of fixed gear.</p>							
Report By:	John F. Kenney	Date:	6/6/14	Current Location of Gear	N.A.		

<b>NMFS No.</b>	E26-12
<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>	8/02/2012
<b>Species</b>	Minke
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	6.7 NM east of Race Point, Provincetown, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 05'N 70° 06'W
<b>Event Description</b>	Recreational boaters reported the entangled whale trailing gear to CCS. Unfortunately the reporters only saw the whale for one sighting. Despite CCS efforts to relocate the animal was not found again.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Buoys trailing behind the animal with unknown attachment point.
<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>	None
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Unknown sex and age
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced pro-rated injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E26-12		
Field No.	J 080212 mw	Date 1 <sup>st</sup> Observed	8/2/12
Location 1 <sup>st</sup> Observed	6.7 NM east of Race Point, Provincetown, MA 42° 05.0' N, 70° 06.0' 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:	6/6/14
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E27-12
<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>	8/04/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Aphid
<b>Location 1st Observed Entangled</b>	7.7 NM northeast of Race Point, Provincetown, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 09.37'N 70° 07.67'W
<b>Event Description</b>	A University of Massachusetts Large Pelagics research team reported the entangled whale to CCS by both plane and boat. Unfortunately, neither platform was able to stand by until the CCS response team arrived. The animal was not relocated.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Line exiting both sides of the mouth, leading underneath the animal and twisting together. The twisted lines extended about 80 feet beyond 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>	Photographs showed less than ideal skin condition.
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	5/27/2012
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Adult; consult CCS
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced serious injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E27-12		
Field No.	J 080412 hw	Date 1 <sup>st</sup> Observed	8/4/12
Location 1 <sup>st</sup> Observed	7.7 NM northeast of Race Point, Provincetown, MA 42° 09.4' N, 70° 07.7' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Aphid	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	Photos taken by Large Pelagics Research Center/UMASS	Depth
		Bottom Type	
Gear Type:	Unknown	Target Species:	Unknown
<u>Gear Description:</u> <p style="text-align: center;">Photographic documentation shows the whale is carrying rope.</p>			
<u>Comments:</u> 			
<u>Conclusions:</u> <p style="text-align: center;">The whale is carrying rope of which a gear type or part cannot be determined.</p>			
Report By:	John F. Kenney	Date:	6/8/14
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E28-12
<b>Initial Status</b>	Dead
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Deceased
<b>Date 1st Observed Entangled</b>	8/05/2012
<b>Species</b>	Minke
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	Hardings Beach, Chatham, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	41° 38.6'N 69° 59.5'W
<b>Event Description</b>	Carcass washed ashore with multiple wraps around the upper jaw and mouth. A necropsy was performed the following day, including recovering the gear.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Webbing entangled in baleen and around the upper jaw.
<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>	Advanced state of decomposition. Multiple sites of entanglement trauma all over body including compression fractures of upper jaw.
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	None
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Female calf
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced mortality

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E28-12		
Field No.	J 080512 mw	Date 1 <sup>st</sup> Observed	8/5/12
Location 1 <sup>st</sup> Observed	Hardings Beach, Chatham, MA 41° 38.6' N, 69° 59.5' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Carcass
Species	Minke	Gear Recovered (y/n)	Yes
Individual ID	Unknown	Gear Analysis Conducted (y/n)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	8/5/12	Gear Retrieved By	IFAW
Date Gear Received	5/19/14	Received From	IFAW
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Necropsy Report (IFAW)	Depth
Bottom Type			
Gear Type:	Unknown	Target Species:	Unknown
<p><u>Gear Description:</u>                  Approximately 23 individual pieces of ~ 3/16" 3-strand rope, ranging in length from several inches to more than 100 feet. No cuts were made to the rope in order to remove it from the whale. Rather, the rope was in the 23 pieces when it arrived on the beach with the whale. In several places there are what appear to be 'marks' approximately 1" in length and comprised of green rope strands. These rope strands are in the main line in the same manner as if they had been part of a gangion that was spliced in, however, no portion of gangion was found at any of these locations. These marks were generally found in sets of three with several inches between each mark.</p>			
<p><u>Comments:</u></p>			
<p><u>Conclusions:</u>                  The whale was found entangled in rope of which a gear type or part cannot be determined.</p>			
Report By:	John F. Kenney	Date:	7/14/14
		Current Location of Gear	NMFS, RI

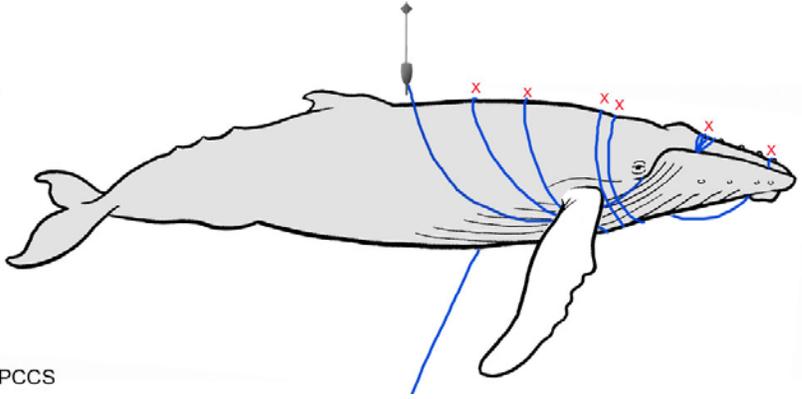
<b>NMFS No.</b>	E29-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear shed
<b>Date 1st Observed Entangled</b>	8/16/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Doric
<b>Location 1st Observed Entangled</b>	10.0 NM southeast of Gloucester, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 27.10'N 70° 34.23'W
<b>Event Description</b>	<p>8/16/2012 &amp; 8/17/2012</p> <ul style="list-style-type: none"> <li>• WW vessel noted monofilament line trailing over the right fluke.</li> </ul> <p>8/20/2012</p> <ul style="list-style-type: none"> <li>• First gear free sighting.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Monofilament line trailing over the right fluke with an unknown attachment point.
<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>	7/10/2012
<b>Re-sightings Post-entanglement</b>	8/20/2012
<b>Life History Information</b>	Consult CCS
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E29-12		
Field No.	J 081712 hw	Date 1 <sup>st</sup> Observed	8/17/12
Location 1 <sup>st</sup> Observed	10.0 NM southeast of Gloucester, MA 42° 27.2' N, 70° 31.2' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Doric	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	Photos taken by Cape Ann WW.		Depth			
				Bottom Type			
Gear Type:		Hook & Line		Target Species:		Unknown	
<u>Gear Description:</u> <p style="text-align: center;">Photographic documentation shows the whale is carrying monofilament line.</p>							
<u>Comments:</u> 							
<u>Conclusions:</u> <p style="text-align: center;">The whale is carrying monofilament line.</p>							
Report By:	John F. Kenney	Date:	6/8/14	Current Location of Gear	N.A.		

<b>NMFS No.</b>	E30-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Partially disentangled - gear shed
<b>Date 1st Observed Entangled</b>	8/18/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Hiatus
<b>Location 1st Observed Entangled</b>	4.7 NM northeast of Chatham, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	41° 43.79'N 69° 52.64'W
<b>Event Description</b>	<p>8/18/2012</p> <ul style="list-style-type: none"> <li>Recreational fisherman reported the animal and CCS responded while the boater stood by the animal. They found the animal struggling to reach the surface, anchored with tight body wraps and line also over the head. CCS managed to remove all the complete wraps of the head and body, leaving only short sections of line in the mouth which the whale will likely shed at a later date.</li> </ul> <p>8/22/2012</p> <ul style="list-style-type: none"> <li>Whale was seen gear free.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Multiple lines exiting the mouth leading to wraps around the head and body. At least two lines over the back were tight enough to be pinching into the skin/blubber.
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	 <p>PCCS</p>
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	Minor entanglement trauma on the back.

<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	8/07/2012
<b>Re-sightings Post-entanglement</b>	8/22/2012
<b>Life History Information</b>	Consult CCS
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E30-12		
Field No.	J 081812 hw	Date 1 <sup>st</sup> Observed	8/18/12
Location 1 <sup>st</sup> Observed	4.7 NM northeast of Chatham, MA 41° 43.8' N, 69° 52.6' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Disentanglement
Species	Humpback	Gear Recovered (y/n)	Yes
Individual ID	Hiatus	Gear Analysis Conducted (y/n)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	8/18/12	Gear Retrieved By	CCS
Date Gear Received	11/13/12	Received From	CCS
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman	Owner interview	Location
	Other		Depth
		Bottom Type	Rocky
Gear Type:	Trap / Pot	Target Species:	Lobster
<p><u>Gear Description:</u> The recovered gear consists of a highflier connected with a 600 pound weak link to approximately 15 fathoms of 7/16" sinking endline.</p>			
<p><u>Comments:</u> The gear was originally configured as a 10 pot trawl with endlines at each end. Endlines are entirely sink rope with the exception of 4 fathoms of float rope at the bottom. Groundline consists of 3/8" sink rope with approximately 20 fathoms between traps.</p>			
<p><u>Conclusions:</u> The whale was entangled in the endline of lobster gear that was set on the state-federal line.</p>			
Report By:	John F. Kenney	Date:	6/8/14
		Current Location of Gear	NMFS, RI

<b>NMFS No.</b>	E31-12
<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>	8/21/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	2011 calf of Wizard
<b>Location 1st Observed Entangled</b>	3.6 NM northeast of Race Point, Provincetown, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 07.19'N 70° 13.39'W
<b>Event Description</b>	WW vessel documented a monofilament line trailing over the fluke with an unknown attachment point.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Monofilament line trailing over the fluke with an unknown attachment point.
<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>	9/02/2011
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Consult CCS
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced prorated injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E31-12		
Field No.	J 082112 hw	Date 1 <sup>st</sup> Observed	8/21/12
Location 1 <sup>st</sup> Observed	3.6 NM northeast of Race Point, Provincetown, MA 42° 07.2' N, 70° 13.4' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	2011 calf of Wizard	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	Photos taken by Dolphin Fleet WW.	Depth
		Bottom Type	
Gear Type:	Hook & Line	Target Species:	Unknown
<u>Gear Description:</u> <p style="text-align: center;">Photographic documentation shows the whale is carrying monofilament line.</p>			
<u>Comments:</u> 			
<u>Conclusions:</u> <p style="text-align: center;">The whale is carrying hook &amp; line gear.</p>			
Report By:	John F. Kenney	Date:	6/8/14
		Current Location of Gear	N.A.

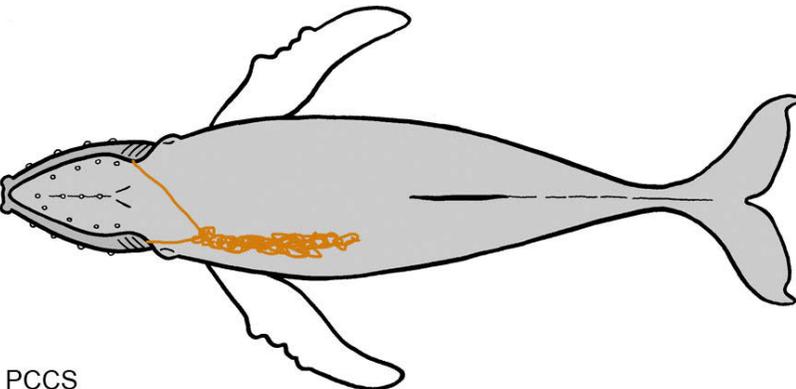
<b>NMFS No.</b>	E32-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Disentangled – gear free
<b>Date 1st Observed Entangled</b>	8/22/2012
<b>Species</b>	Minke
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	7.8 NM southeast of Portsmouth, NH
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 56.27'N 70° 37.36'W
<b>Event Description</b>	Recreational boater reported an anchored whale to the USCG which relayed the message to CCS. While CCS was en route, a fisherman (presumed whose gear was involved) disentangled the animal. The boater reported seeing the animal breach after the disentanglement giving a clear view that all the gear was removed.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Line wrapping the body several times.
<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>	8/22/2012
<b>Life History Information</b>	Unknown age and sex
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E32-12		
Field No.	J 082212 mw	Date 1 <sup>st</sup> Observed	8/22/12
Location 1 <sup>st</sup> Observed	7.8 NM southeast of Portsmouth, NH 42° 56.3' N, 70° 37.4' 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)	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	Photos taken by recreational boater	Depth
		Bottom Type	
Gear Type:	Unknown Fixed Gear		Target Species: Unknown
<u>Gear Description:</u> Photographic documentation shoes the whale is carrying a buoy and buoy line			
<u>Comments:</u>			
<u>Conclusions:</u> The whale is carrying a buoy and buoy line from an unknown type of fixed gear.			
Report By:	John F. Kenney	Date:	6/8/14
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E33-12
<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>	8/24/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Forceps
<b>Location 1st Observed Entangled</b>	6.0 NM northwest of Race Point, Provincetown, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 06.14'N 70° 22.1'W
<b>Event Description</b>	WW vessel reported a whale acting peculiarly to CCS. Upon further investigation the WW vessel documented gear coming out of both sides of the mouth leading to a large tangle of line just aft of the head. The animal was also listing to the left and seemed to be struggling to stay on the surface. The CCS response team made multiple attempts to grapple and cut the gear but all were unsuccessful, partially due to an evasive whale and lack of trailing gear.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Line exiting both sides of the mouth leading to a large tangle of line just aft of the head. The whale consistently listed to the left while on the surface. Wounds suggested the entanglement was more complex recently.
<b>B. Subsequent Descriptions</b>	None visible.
<b>C. Diagram of Entangling Gear on Whale</b>	 <p>PCCS</p>

<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	Entanglement trauma on the back near the dorsal fin and on the tailstock.
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	8/21/2012
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Consult CCS
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced serious injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E33-12		
Field No.	J 082412 hw	Date 1 <sup>st</sup> Observed	8/24/12
Location 1 <sup>st</sup> Observed	6.0 NM northwest of Race Point, Provincetown, MA 42° 06.1' N, 70° 22.1' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Forceps	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	Photos taken by CCS.		Depth			
				Bottom Type			
Gear Type:		Unknown		Target Species:			
<u>Gear Description:</u> <p style="text-align: center;">Photographic documentation shows the whale is carrying dark colored rope.</p>							
<u>Comments:</u> 							
<u>Conclusions:</u> <p style="text-align: center;">The whale is carrying rope of which a gear type or part cannot be determined.</p>							
Report By:	John F. Kenney	Date:	6/8/14	Current Location of Gear	N.A.		

<b>NMFS No.</b>	E34-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear shed
<b>Date 1st Observed Entangled</b>	8/27/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Cardhu (with calf)
<b>Location 1st Observed Entangled</b>	8.6 NM northwest of Race Point, Provincetown, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	41° 11.39'N 70° 20.36'W
<b>Event Description</b>	<p>8/27/2012</p> <ul style="list-style-type: none"> <li>• WW vessel noticed documented monofilament line trailing from the left fluke tip.</li> </ul> <p>9/6/2012</p> <ul style="list-style-type: none"> <li>• Whale seen gear free by CCS.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Monofilament line.
<b>B. Subsequent Descriptions</b>	None
<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>	None
<b>Sighting prior to entanglement</b>	8/25/2012
<b>Re-sightings Post-entanglement</b>	9/06/2012
<b>Life History Information</b>	Adult female
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E34-12		
Field No.	J 082712 hw	Date 1 <sup>st</sup> Observed	8/27/12
Location 1 <sup>st</sup> Observed	8.6 NM northwest of Race Point, Provincetown, MA 42° 11.4' N, 70° 20.4' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Cardhu	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	Photos taken by NECWA		Depth			
				Bottom Type			
Gear Type:		Hook & Line		Target Species:		Unknown	
<u>Gear Description:</u> <p style="text-align: center;">Photographic documentation shows the whale is carrying monofilament line.</p>							
<u>Comments:</u> 							
<u>Conclusions:</u> <p style="text-align: center;">The whale is carrying monofilament line.</p>							
Report By:	John F. Kenney	Date:	6/9/14	Current Location of Gear	N.A.		

<b>NMFS No.</b>	E35-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear shed
<b>Date 1st Observed Entangled</b>	9/03/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Reflection
<b>Location 1st Observed Entangled</b>	2.6 NM northeast of Race Point, Provincetown, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 05.7'N 70° 12.3'W
<b>Event Description</b>	<p>9/03/2012</p> <ul style="list-style-type: none"> <li>CCS documented monofilament line entangling portions of the fluke.</li> </ul> <p>9/06/2012</p> <ul style="list-style-type: none"> <li>CCS documented the animal gear free.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Line over the dorsal surface of the left fluke and another portion of line emanating from the left side of the tailstock and leading under the right fluke. Unknown attachment point.
<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>	9/03/2012
<b>Re-sightings Post-entanglement</b>	9/06/2012
<b>Life History Information</b>	Adult female
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E35-12		
Field No.	J 090312 hw	Date 1 <sup>st</sup> Observed	9/3/12
Location 1 <sup>st</sup> Observed	2.6 NM NE of Race Point, Provincetown, MA 42° 05.7' N, 70° 12.3' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Reflection	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	Photos taken by CCS	Depth
Bottom Type			
Gear Type:	Hook & Line	Target Species:	Unknown
<u>Gear Description:</u> Photographic documentation shows the whale is carrying monofilament line.			
<u>Comments:</u>			
<u>Conclusions:</u> The whale is carrying monofilament line.			
Report By:	John F. Kenney	Date:	6/9/14
		Current Location of Gear	N.A.

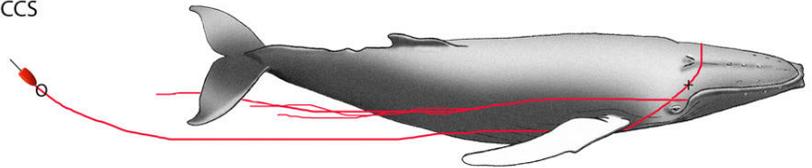
<b>NMFS No.</b>	E36-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Disentangled – gear free
<b>Date 1st Observed Entangled</b>	9/16/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	21.0 NM northeast of Gloucester, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 49.12'N 70° 19.08'W
<b>Event Description</b>	A fisherman, while hauling, realized the whale was anchored in his gear. The fisherman ceased all hauling operations and contacted the USCG. Both MEP and CCS responded. Armed with knowledge from the fisherman about his gear the CCS team managed to remove all the gear from the whale.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Gillnet and top rope was wrapped a number of times around the fluke and tailstock.
<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>	Fresh entanglement trauma on the fluke, tailstock and other parts of the body.
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	9/16/2012
<b>Life History Information</b>	Unknown sex and age
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E36-12		
Field No.	J 091612 hw	Date 1 <sup>st</sup> Observed	9/16/12
Location 1 <sup>st</sup> Observed	21.0 NM northeast of Gloucester, MA 42° 49.1' N, 70° 19.1' 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	9/16/12	Gear Retrieved By	Owner	
Date Gear Received		Received From		
Sources:	USCG	Date Set	One day earlier	
	CCS	Date Lost		
	Fisherman	Owner interview	Location	Same as 1 <sup>st</sup> sighted
	Other		Depth	55 fathom
Bottom Type			Hard	
Gear Type:	Sink gillnet	Target Species:	Groundfish	
<p><u>Gear Description:</u> The gear involved was sink gillnet and associated endline. Recovered during the disentanglement was approximately 28 fathoms of 3/8" sink rope.</p>				
<p><u>Comments:</u> Based on an owner interview, the gear was originally configured as a string of 10 nets with an average 7" mesh. The string is anchored with Danforth anchors and endlines are 3/8" with the lower 1/3 float rope and the rest sink rope. Surface system is made up of a 9" x 16" tide buoy with 5 fathoms of 5/16" sink rope running to the highflier. When the net was repaired it was noted that no floatline, leadline or webbing was missing from the panel.</p>				
<p><u>Conclusions:</u> The whale was entangled in the first net of a 10 net sink gillnet string.</p>				
Report By:	John F. Kenney	Date:	6/9/14	
		Current Location of Gear	Gear was retained by the owner	

<b>NMFS No.</b>	E37-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Disentangled – gear shed
<b>Date 1st Observed Entangled</b>	9/17/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Goalpost
<b>Location 1st Observed Entangled</b>	2.2 NM northeast of Race Point, Provincetown, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 05.42'N 70° 12.83'W
<b>Event Description</b>	<p>9/17/2012</p> <ul style="list-style-type: none"> <li>Recreational boater reported the entangled whale to the USCG. A local WW vessel overheard the conversation and offered additional stand-by aid until the CCS response team arrived.</li> </ul> <p>The CCS team managed to slow the free-swimming whale with significant additional polyballs. During this time the team were able to make one cut removing the longest section of line trailing. The thought was the remaining gear would be shed by the animal.</p> <p>9/24/2012</p> <ul style="list-style-type: none"> <li>The CCS response team had an opportunistic sighting of the animal and confirmed the whale had shed the remaining gear.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Line exiting both sides of the mouth. Line out of the left side of the mouth led over the head, under the right flipper and trailed beyond the fluke terminating at a bullet buoy. The line out of the right side of the mouth terminated near the fluke and was unraveling.
<b>B. Subsequent Descriptions</b>	None
<b>C. Diagram of Entangling Gear on Whale</b>	<p>PCCS</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>	9/07/2012
<b>Re-sightings Post-entanglement</b>	9/24/2012
<b>Life History Information</b>	Consult CCS
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E37-12		
Field No.	J 091712 hw	Date 1 <sup>st</sup> Observed	9/17/12
Location 1 <sup>st</sup> Observed	2.2 NM northeast of Race Point, Provincetown, MA 42° 05.4' N, 70° 12.8' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Disentanglement
Species	Humpback	Gear Recovered (y/n)	Yes
Individual ID	Goalpost	Gear Analysis Conducted (y/n)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	9/17/12	Gear Retrieved By	CCS
Date Gear Received	11/13/12	Received From	CCS
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman	Owner Interview	Location State waters, Outer Cape Lobster Management Area
	Other		Depth
Bottom Type			
Gear Type:	Trap / Pot	Target Species:	Lobster
<p><u>Gear Description:</u> A buoy with a 2 foot plastic buoy stick attached to approximately 10 fathoms of 3/8" sink rope. The buoy is attached using 3-hog rings to conform to the ALWTRP.</p>			
<p><u>Comments:</u> Based on an interview with the owner, the gear was originally configured as a single trap and endline.</p>			
<p><u>Conclusions:</u> The whale was entangled in the endline of a lobster trap fished as a single in state waters of the Outer Cape Lobster Management Area.</p>			
Report By:	John F. Kenney	Date:	6/10/14
		Current Location of Gear	NMFS, RI

<b>NMFS No.</b>	E38-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Gear shed
<b>Date 1st Observed Entangled</b>	9/23/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Zelle
<b>Location 1st Observed Entangled</b>	12.5 NM southeast of Portsmouth, NH
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 53.868'N 70° 30.843'W
<b>Event Description</b>	<p>9/23/2012</p> <ul style="list-style-type: none"> <li>• WW vessel reported the whale with monofilament line trailing over the fluke.</li> </ul> <p>9/24/2012</p> <ul style="list-style-type: none"> <li>• WW vessel documented the animal free of gear.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Monofilament line seen trailing over the left fluke blade. Attachment point unknown.
<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>	9/22/2012
<b>Re-sightings Post-entanglement</b>	9/24/2012
<b>Life History Information</b>	Consult CCS
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E38-12		
Field No.	J 092312 hw	Date 1 <sup>st</sup> Observed	9/23/12
Location 1 <sup>st</sup> Observed	12.5 NM southeast of Portsmouth, NH 42° 53.9' N, 70° 30.8' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Zelle	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	Photos taken by BOS	Depth
Bottom Type			
Gear Type:	Hook & Line	Target Species:	Unknown
<u>Gear Description:</u> <p style="text-align: center;">Photographic documentation shows the whale is carrying monofilament line.</p>			
<u>Comments:</u> 			
<u>Conclusions:</u> <p style="text-align: center;">The whale is carrying monofilament line.</p>			
Report By:	John F. Kenney	Date:	6/10/14
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E39-12
<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>	9/23/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	2009 calf of Thumper
<b>Location 1st Observed Entangled</b>	12.9 NM southeast of Portsmouth, NH
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 53.159'N 70° 31.487'W
<b>Event Description</b>	9/23/2012, 9/24/2012 <ul style="list-style-type: none"> <li>• WW vessel reported the whale trailing monofilament line from the fluke.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Line appeared to be caught on a barnacle on the left tip of the fluke. No line forward of the fluke was visible.
<b>B. Subsequent Descriptions</b>	Same as previous sighting.
<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>	9/17/2012
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Consult CCS
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E39-12		
Field No.	J 092412 hw	Date 1 <sup>st</sup> Observed	9/24/12
Location 1 <sup>st</sup> Observed	12.9 NM southeast of Portsmouth, NH 42° 53.2' N, 70° 31.5' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	2009 calf of Thumper	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	Photos taken by BOS	Depth
Bottom Type			
Gear Type:	Hook & Line	Target Species:	Unknown
<u>Gear Description:</u> <p style="text-align: center;">Photographic documentation shows the whale is carrying monofilament line.</p>			
<u>Comments:</u> 			
<u>Conclusions:</u> <p style="text-align: center;">The whale is carrying monofilament line.</p>			
Report By:	John F. Kenney	Date:	6/10/14
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E40-12
<b>Initial Status</b>	Dead
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Deceased
<b>Date 1st Observed Entangled</b>	10/04/2012
<b>Species</b>	Minke
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	5.8 NM east of Portland, ME
<b>Latitude/Longitude 1st Observed Entangled</b>	43° 38.265'N 70° 06.333'W
<b>Event Description</b>	Fisherman reported the deceased animal with gear line present in the mouth. A few hours later MMP documented the carcass but the line was no longer present. Documentation of the initial sighting confirmed that gear was initially present.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Significant amount of line leading from the 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>	Entanglement trauma on the mouth and body. Scavenging trauma also present.
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	None
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Adult male
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced mortality

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E40-12		
Field No.	J 100412 mw	Date 1 <sup>st</sup> Observed	10/4/12
Location 1 <sup>st</sup> Observed	5.8 NM east of Portland, ME 43° 38.3' N, 70° 06.3' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Carcass
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:	6/10/14
		Current Location of Gear	N.A.

<b>NMFS No.</b>	E41-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Disentangled – gear free
<b>Date 1st Observed Entangled</b>	10/23/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	2012 calf of Tornado
<b>Location 1st Observed Entangled</b>	12.0 NM northeast of Gloucester, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 42.56'N 70° 27.4'W
<b>Event Description</b>	<p>10/23/2012</p> <ul style="list-style-type: none"> <li>• WW vessel reported the entangled calf (mother still present) to CCS and NMFS. Despite CCS and NMFS/USCG searching for the whale, it was not relocated.</li> </ul> <p>10/25/2012</p> <ul style="list-style-type: none"> <li>• CCS conducted an aerial search for the mother/calf pair and relocated the animals. The CCS response team was on scene within the hour and began disentanglement operations. The swiftly moving pair frequently attempted to avoid the response team but the disentanglement team managed to attach additional flotation/drag to the entangling line which eventually pulled the gear from the mouth. The aerial survey confirmed the calf was completely free of gear.</li> </ul>
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Line trailing with a highflier and bullet buoy.
<b>B. Subsequent Descriptions</b>	Line likely (never confirmed) exiting both sides of the mouth and leading under the body and twisting on itself. One of the lines extending at least 200' beyond the flukes.
<b>C. Diagram of Entangling Gear on Whale</b>	None
<b>Description of Wounds/Condition</b>	
<b>A. During Initial Sighting</b>	Entanglement trauma on the fluke and body.
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	10/13/2012
<b>Re-sightings Post-entanglement</b>	10/25/2012

<b>Life History Information</b>	Calf; unknown sex
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E41-12		
Field No.	J 102312 hw	Date 1 <sup>st</sup> Observed	10/23/12
Location 1 <sup>st</sup> Observed	12.0 NM northeast of Gloucester, MA 42° 42.6' N, 70° 27.4' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Disentanglement
Species	Humpback	Gear Recovered (y/n)	Yes
Individual ID	2012 calf of Tornado	Gear Analysis Conducted (y/n)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	10/25/12	Gear Retrieved By	CCS
Date Gear Received	11/13/12	Received From	CCS
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Depth	
Bottom Type			
Gear Type:	Unknown Trap / Pot	Target Species:	Unknown
<p><u>Gear Description:</u>                  The recovered gear consists of a highflier with PVC staff and a 8" x 14" tide buoy. Each is attached with a 600# SeaSide flat link. Total length of buoy line below the surface system is approximately 69 fathoms and ends in a frayed bitter end. The upper 40 fathoms is 7/16" sink rope and the lower 29 fathom is 3/8" float rope.</p>			
<p><u>Comments:</u></p>			
<p><u>Conclusions:</u>                  The recovered gear is consistent with trap/pot gear based on the 600 pound buoy weak links.</p>			
Report By:	John F. Kenney	Date:	6/10/14
		Current Location of Gear	NMFS, RI

<b>NMFS No.</b>	E42-12
<b>Initial Status</b>	Alive
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Disentangled – gear free
<b>Date 1st Observed Entangled</b>	11/27/2012
<b>Species</b>	Humpback
<b>Individual ID</b>	Unknown
<b>Location 1st Observed Entangled</b>	11.8 NM northeast of Plymouth, MA
<b>Latitude/Longitude 1st Observed Entangled</b>	42° 06.14'N 70° 28.84'W
<b>Event Description</b>	Commercial fisherman reported the incident to NEAq, who relayed the report to CCS. The fisherman then agreed to standby until the CCS response team arrived. The entanglement on the fluke and tailstock was tight and extensive. After additional flotation/drag was added to the entanglement via polyballs, the team managed to make cuts of the gear on the tailstock. Eventually the drag of the polyballs pulled the remaining gear off the animal.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Two wraps at the insertion area of the fluke. One tight wrap on the right fluke blade with line partially embedded in the trailing edge. A line leading from the entanglement terminated to a white bullet buoy beyond the fluke. A black line also trailed about 100' beyond 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>	Embedded line trauma on the tailstock and fluke.
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	Unknown
<b>Re-sightings Post-entanglement</b>	11/27/2012
<b>Life History Information</b>	Unknown sex and age
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced injury

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E42-12		
Field No.	J 112712 hw	Date 1 <sup>st</sup> Observed	11/27/12
Location 1 <sup>st</sup> Observed	11.8 NM northeast of Plymouth, MA 42° 06.1' N, 70° 28.8' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Disentangled
Species	Humpback	Gear Recovered (y/n)	Yes
Individual ID	Unknown	Gear Analysis Conducted (y/n)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	11/27/12	Gear Retrieved By	CCS
Date Gear Received	12/10/12	Received From	CCS
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Depth	
Bottom Type			
Gear Type:	Trap / Pot	Target Species:	Lobster
<p><u>Gear Description:</u></p> <p>The recovered gear consists of an A-1 tide ball and a ~ 2 fathom length of sink rope to where a highflier parted off from a weak link. Approximately 38 fathoms of endline was also recovered of which 14 fathoms was sink rope and 24 fathoms was float rope. A red "endline mark" was present on the portion of endline recovered, identifying it as "Northern Nearshore Trap/Pot" gear under the ALWTRP.</p>			
<p><u>Comments:</u></p>			
<p><u>Conclusions:</u></p> <p>The whale was entangled in the endline of lobster gear.</p>			
Report By:	John F. Kenney	Date:	6/11/14
		Current Location of Gear	NMFS, RI

<b>NMFS No.</b>	E43-12
<b>Initial Status</b>	Dead
<b>Subsequent Status (as of the date the NMFS report was completed)</b>	Deceased
<b>Date 1st Observed Entangled</b>	12/18/2012
<b>Species</b>	Right
<b>Individual ID</b>	#4193
<b>Location 1st Observed Entangled</b>	2.5 NM east of Palm Coast, FL
<b>Latitude/Longitude 1st Observed Entangled</b>	29° 35.074'N 81° 07.637'W
<b>Event Description</b>	Animal discovered by private boater and reported. FWC responded but was unable to reach the animal before dusk. The whale washed ashore during the night and was discovered early morning. Necropsy was performed that afternoon. Massive entanglement and trauma on the tailstock and fluke. Gear also found down the throat. Shark predation was also present.
<b>Description of Gear on Whale as Reported</b>	
<b>A. During Initial Sighting</b>	Massive amount of line around the tailstock and fluke. Line also present down the throat.
<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>	Significant entanglement trauma on the tailstock and fluke. Substantial cyanid coverage of the body. ~50% of the skin was also missing and shark predation was evident.
<b>B. Subsequent Descriptions</b>	None
<b>Sighting prior to entanglement</b>	1/28/2012
<b>Re-sightings Post-entanglement</b>	None
<b>Life History Information</b>	Juvenile male
<b>NMFS Serious Injury/Mortality Determination</b>	Human-induced mortality

## FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E43-12		
Field No.	J 121812 rw	Date 1 <sup>st</sup> Observed	12/18/12
Location 1 <sup>st</sup> Observed	2.5 NM east of Palm Coast, FL 29° 35.1' N, 81° 07.6' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Carcass
Species	Right	Gear Recovered (y/n)	Yes
Individual ID	Unknown	Gear Analysis Conducted (y/n)	Yes

### GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	12/19/12	Gear Retrieved By	NMFS
Date Gear Received	1/3/13	Received From	NMFS/SER
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Depth	
Bottom Type			
Gear Type:	Unknown Trap / Pot	Target Species:	Unknown
<p><u>Gear Description:</u></p> <p>The recovered gear is comprised of portions of endlines and buoy systems of 3 separate pieces of gear plus a short length (4 feet) of miscellaneous rope totaling approximately 650 feet. Roughly 60% is sink rope and 40% float rope. Each of the 3 endlines incorporates a 600 pound weak link where it attaches to the buoy system and one of the endlines also incorporates a 'red' marker as required under the ALWTRP for gear used in "Northeast, Near Shore, Trap/Pot" fisheries. Of the 3 buoy systems, only one was recovered intact, however, the number engraved on it is not legible. The other 2 buoy systems consist only of a portion of a single PVC type buoy stick.</p>			
<p><u>Comments:</u></p> <p>Efforts to match a variety of possible numbers and buoy marking schemes in state data bases were unsuccessful.</p>			
<p><u>Conclusions:</u></p> <p>The whale was entangled in three pieces of gear, each consistent with the rigging requirements of the ALWTRP for Trap/Pot gear. In addition, one of the three had an endline mark indicating "Northern Nearshore Trap/Pot" gear.</p>			
Report By:	John F. Kenney	Date:	6/11/14
		Current Location of Gear	NMFS, RI