

2014 Large Whale Entanglement Report

Prepared by
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2014 Large Whale Entanglement Report

Table 1. 2014 large whale entanglement reports for entangled whales.

Indication of Entanglement*

	Live	Dead	TOTAL
Right Whale	5	2	7
Humpback Whale	8	1	9
Finback Whale	2	1	3
Minke Whale	3	2	5
Sei Whale	0	0	0
Unknown	0	0	0
TOTAL	18	6	24

* "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 report "Mortality and Serious Injury Determinations for Baleen Whale Stocks along the Gulf of Mexico, United States East Coast and Atlantic Canadian Provinces, 2010-2014" is available online at <http://nefsc.noaa.gov/publications/crd/crd1610/>. Stock assessment reports which summarize the full status of a species can be found here: <http://www.nmfs.noaa.gov/pr/sars/species.htm>

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 U.S. and Canadian 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; Disentangled – monitor = animal had all life-threatening gear removed with some non life-threatening gear remaining that is expected to be shed.
- 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. 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
AMAPPS	Atlantic Marine Assessment Program for Protected Species
CCS	Center for Coastal Studies, MA
COA	College of the Atlantic, ME
CWI	Canadian Whale Institute (Canada)
CWR	Campobello Whale Rescue (Canada)
DFO	Department of Fisheries and Oceans (Canada)
ECE	East Coast Ecosystems (Canada)
ECO	EcoHealth Alliance
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
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
WHOI	Woods Hole Oceanographic Institution, MA
WW	Whale Watch

Table 3. Entanglement summary for 2014 confirmed cases.

Entanglement Report Number	Species	Date of 1 st Observation	Dead/Alive	SI Determination	Gear Collected	Type of Gear	Gear part ID
E01-14	Right	02/16/14	Alive	Non-SI	Yes	U	U
E02-14	Right	04/01/14	Alive	SI	No	U	U
E03-14	Minke	04/07/14	Alive	Non-SI	Yes	Trap/Pot	B, T, V
E04-14	Humpback	06/02/14	Alive	PR (SI)	No	U	S, V
E05-14	Minke	06/09/14	Dead	SI	Yes	Trap/Pot	S, T, V
E06-14	Humpback	06/09/14	Alive	Non-SI	No	Trap/Pot	S, T, V
E07-14	Humpback	06/21/14	Alive	PR (SI)	No	U	U
E08-14	Finback	06/23/14	Alive	PR (SI)	No	U	U
E09-14	Right	06/29/14	Alive	SI	No	U	U
E10-14	Minke	07/10/14	Alive	PR (SI)	No	Unk. Fixed Gear	B, V
E11-14	Minke	07/12/14	Alive	SI	No	U	U
E12-14	Humpback	07/18/14	Alive	SI	No	U	U
E13-14	Minke	07/29/14	Dead	SI	No	U	U
E14-14	Finback	08/20/14	Alive	PR (SI)	No	U	B, V
E15-14	Finback	08/23/14	Dead	Non-SI	No	U	U
E16-14	Humpback	09/03/14	Alive	Non-SI	No	Gillnet	N
E17-14	Right	09/04/14	Alive	SI	No	U	U
E18-14	Right	09/04/14	Dead	SI	No	U	U
E19-14	Humpback	09/11/14	Dead	SI	Yes	Trap/Pot, Gillnet	B, N, T, V
E20-14	Right	09/17/14	Alive	SI	No	U	U
E21-14	Humpback	09/20/14	Alive	PR (SI)	No	Gillnet	N
E22-14	Right	09/27/14	Dead	SI	No	U	B, V
E23-14	Humpback	10/01/14	Alive	PR (SI)	No	U	U
E24-14	Humpback	12/15/14	Alive	PR (SI)	No	Trap/Pot	G, S, T, 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 (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 or gear part 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.

2014 Entanglements

NMFS No.	E01-14
Initial Status	Alive
Subsequent Status (as of the date the NMFS report was completed)	Gear shed
Date 1st Observed Entangled	2/16/2014
Species	Right
Individual ID	#4057
Location 1st Observed Entangled	38.3 NM east southeast of Amelia City, FL
Latitude/Longitude 1st Observed Entangled	30° 24.22'N 80° 44.15'W
Event Description	<p>2/16/2014</p> <ul style="list-style-type: none"> UNC-W aerial survey team located the animal in the afternoon. A combined effort of a Duke research team and FWC responded to the animal. The teams managed to add a telemetry buoy before dusk and remove a small amount of gear. <p>2/17/2014</p> <ul style="list-style-type: none"> GA DNR and FWC responded and removed close to 300' of 11/16" line. The intention was the asymmetric pull of the line will remove the remaining gear. <p>4/12/2014</p> <ul style="list-style-type: none"> CCS noticed the animal was sighted in Cape Cod Bay during post-trip analysis. Line still visible exiting the mouth. <p>4/16/2015</p> <ul style="list-style-type: none"> CCS sighted the animal again but it was unclear if the whale was still entangled. <p>4/18/2015</p> <ul style="list-style-type: none"> Excellent sighting conditions provided CCS an opportunity to completely document the animal. The whale shed the remaining gear.
Description of Gear on Whale as Reported	
A. During Initial Sighting	Two lines exiting the left side of the mouth. One frayed line terminated just beyond the blowholes and the other line extends well beyond the tail.
B. Subsequent Descriptions	<p>2/17/2014, 4/12/2014</p> <ul style="list-style-type: none"> Two lines exiting the left side of the mouth.

C. Diagram of Entangling Gear on Whale	None
Description of Wounds/Condition	
A. During Initial Sighting	Entanglement trauma on head and rostrum. Overall condition appeared fair.
B. Subsequent Descriptions	Entanglement trauma still visible on head and rostrum. Right flipper appeared slightly discolored on last sighting.
Sighting Prior to Entanglement	3/18/2013
Re-sightings Post-entanglement	4/25/2015
Life History Information	Juvenile male
NMFS Serious Injury/Mortality Determination	Human-induced injury

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E01-14		
Field No.	J 021614 rw	Date 1 st Observed	2/16/14
Location 1 st Observed	38.3 NM east southeast of Amelia City, FL 30° 24.2' N, 80° 44.2' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Disentanglement
Species	Right	Gear Recovered (y/n)	Yes
Individual ID	#4057	Gear Analysis Conducted (y/n)	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	2/16/14 & 2/17/14		Gear Retrieved By	FWC
Date Gear Received	2/20/14		Received From	NMFS / SE Regional Office
Sources:	USCG		Date Set	Unknown
	CCS		Date Lost	Unknown
	Fisherman		Location	Unknown
	Other	FWC & GA DNR	Depth	Unknown
			Bottom Type	Unknown
Gear Type:	Unknown		Target Species:	Unknown

Gear Description:

A total of approximately 490 feet of 5/8" 3-strand poly rope was recovered. About 180 feet of this rope had a lead core and is spliced to the non-leded poly.

Comments:

The portion of recovered rope that has the lead core would be negatively buoyant and sink in sea water.

Conclusions:

The whale was entangled in rope of which a gear type or part cannot be determined.

Report By:	John F. Kenney	Date:	5/18/16	Current Location of Gear	NMFS, RI
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NMFS No.	E02-14
Initial Status	Alive
Subsequent Status (as of the date the NMFS report was completed)	Entangled
Date 1st Observed Entangled	4/01/2014
Species	Right
Individual ID	#1142, Kleenex
Location 1st Observed Entangled	80.5 NM southeast of Atlantic City, NJ
Latitude/Longitude 1st Observed Entangled	38° 44.16'N 72° 53.34'W
Event Description	A NOAA aerial survey noticed in post-sighting analysis that one of the whales they had sighted was entangled. Sighting conditions were poor.
Description of Gear on Whale as Reported	
A. During Initial Sighting	At least one wrap is visible over the rostrum and a line exits the left side of the mouth and trails to at least the mid-body.
B. Subsequent Descriptions	None
C. Diagram of Entangling Gear on Whale	None
Description of Wounds/Condition	
A. During Initial Sighting	Entanglement trauma on rostrum.
B. Subsequent Descriptions	None
Sighting prior to entanglement	4/08/2011
Re-sightings Post-entanglement	None
Life History Information	Adult female
NMFS Serious Injury/Mortality Determination	Human-induced serious injury

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E02-14		
Field No.	J 040114 rw	Date 1 st Observed	4/01/14
Location 1 st Observed	80.5 NM southeast of Atlantic City, NJ 38° 44.2' N, 72° 53.3' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Right	Gear Recovered (y/n)	No
Individual ID	#1142, Kleenex	Gear Analysis Conducted (y/n)	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	N/A	Gear Retrieved By	N/A
Date Gear Received	N/A	Received From	N/A
Sources:	USCG	Date Set	Unknown
	CCS	Date Lost	Unknown
	Other	Photo documentation NOAA AMAPPS aerial survey crew	Location
Depth			Unknown
		Bottom Type	Unknown
Gear Type:	Unknown	Target Species:	Unknown
<u>Gear Description:</u> <p style="text-align: center;">A length of rope exiting the mouth.</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:	5/18/16
		Current Location of Gear	N/A

NMFS No.	E03-14
Initial Status	Alive
Subsequent Status (as of the date the NMFS report was completed)	Disentangled
Date 1st Observed Entangled	4/07/2014
Species	Minke
Individual ID	Unknown
Location 1st Observed Entangled	8.3 NM southeast of Marblehead, MA
Latitude/Longitude 1st Observed Entangled	42° 23.58'N 70° 43.14'W
Event Description	<p>4/07/2014</p> <ul style="list-style-type: none"> NEFSC research team sighted the animal but did not report for a few hours. The USCG attempted to relocate the animal but was unsuccessful. <p>4/11/2014</p> <ul style="list-style-type: none"> The same NEFSC research team was back in the same area and relocated the animal. CCS managed to respond with assistance of the USCG and disentangle the animal.
Description of Gear on Whale as Reported	
A. During Initial Sighting	Bullet type buoy trailing about 25 feet behind the animal. Unknown attachment point.
B. Subsequent Descriptions	Line exiting both sides of the mouth and coiling upon itself to form a bridle underneath the mouth. Line trailing behind the animal to the bullet buoy.
C. Diagram of Entangling Gear on Whale	None
Description of Wounds/Condition	
A. During Initial Sighting	None noted.
B. Subsequent Descriptions	Entanglement trauma at the corners of the mouth. Whale appeared thin.
Sighting prior to entanglement	Unknown
Re-sightings Post-entanglement	None
Life History Information	Unknown age and sex
NMFS Serious Injury/Mortality Determination	Human-induced injury

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E03-14		
Field No.	J 040714 mw	Date 1 st Observed	4/07/14
Location 1 st Observed	8.3 NM southeast of Marblehead, MA 42° 23.6' N, 70° 43.1' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Disentanglement
Species	Minke	Gear Recovered (y/n)	Yes
Individual ID	Unknown	Gear Analysis Conducted (y/n)	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	4/11/14	Gear Retrieved By	CCS		
Date Gear Received	4/14/14	Received From	CCS		
Sources:	USCG		Date Set	Unknown	
	CCS	Photographs	Date Lost	Unknown	
	Fisherman		Location	Unknown	
	Other		Depth	Unknown	
Bottom Type			Unknown		
Gear Type:	Trap/Pot	Target Species:	Lobster		
<p><u>Gear Description:</u> Improperly marked surface buoy on lobster trawl. Owner identified by trap tag and gear was turned over to OLE for investigation.</p>					
<p><u>Comments:</u></p>					
<p><u>Conclusions:</u> Whale appeared to have become entangled in the mouth on the endline approximately 30 feet down from the surface buoy.</p>					
Report By:	Glenn Salvador	Date:	5/18/16	Current Location of Gear	NMFS, RI

NMFS No.	E04-14
Initial Status	Alive
Subsequent Status (as of the date the NMFS report was completed)	Entangled
Date 1st Observed Entangled	6/02/2014
Species	Humpback
Individual ID	Unknown
Location 1st Observed Entangled	14.5 NM southeast of Chatham, MA
Latitude/Longitude 1st Observed Entangled	41° 35.22'N 69° 38.29'W
Event Description	USCG reported that a fishing vessel was standing by the entangled animal. CCS responded but were unable to reach the location in time, due to difficult seas, before the fisherman had to leave. The CCS response team searched the area for some time but were unable to relocate the whale.
Description of Gear on Whale as Reported	
A. During Initial Sighting	Buoy trailing about 90 feet behind the animal.
B. Subsequent Descriptions	None
C. Diagram of Entangling Gear on Whale	None
Description of Wounds/Condition	
A. During Initial Sighting	None noted.
B. Subsequent Descriptions	None
Sighting prior to entanglement	Unknown
Re-sightings Post-entanglement	None
Life History Information	Unknown sex and age
NMFS Serious Injury/Mortality Determination	Human-induced prorated injury

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E04-14		
Field No.	J 060214 hw	Date 1 st Observed	6/02/14
Location 1 st Observed	14.5 NM southeast of Chatham, MA 41° 35.2' N, 69° 38.3' 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	N/A	Gear Retrieved By	N/A
Date Gear Received	N/A	Received From	N/A
Sources:	USCG	Date Set	Unknown
	CCS	Date Lost	Unknown
	Fisherman	Location	Unknown
	Other	Photos and description from a private boater	Depth
Bottom Type			Unknown
Gear Type:	Unknown fixed gear	Target Species:	Unknown
<u>Gear Description:</u> <p style="text-align: center;">Photo shows what appears to be a tide ball and highflyer trailing the whale.</p>			
<u>Comments:</u> 			
<u>Conclusions:</u> <p style="text-align: center;">The whale was entangled in the endline of unknown fixed gear.</p>			
Report By:	John F. Kenney	Date:	5/18/16
		Current Location of Gear	N/A

NMFS No.	E05-14
Initial Status	Dead
Subsequent Status (as of the date the NMFS report was completed)	Deceased
Date 1st Observed Entangled	6/09/2014
Species	Minke
Individual ID	Unknown
Location 1st Observed Entangled	5.9 NM east northeast of Race Point, Provincetown, MA
Latitude/Longitude 1st Observed Entangled	42° 05.9'N 70° 07.35'W
Event Description	A commercial fisherman discovered the carcass and reported it to CCS. CCS responded and coordinated the removal of the gear and recovery of the carcass. The carcass was towed to a landing site and IFAW conducted a necropsy of the animal.
Description of Gear on Whale as Reported	
A. During Initial Sighting	Line exiting both sides of the mouth leading to a tangle of lines and buoys on the body near the dorsal fin all the way to the tail.
B. Subsequent Descriptions	None
C. Diagram of Entangling Gear on Whale	None
Description of Wounds/Condition	
A. During Initial Sighting	Significant amount of entanglement trauma on the tailstock, fluke, ventral body and mouth.
B. Subsequent Descriptions	None
Sighting prior to entanglement	Unknown
Re-sightings Post-entanglement	None
Life History Information	Adult female
NMFS Serious Injury/Mortality Determination	Human-induced mortality

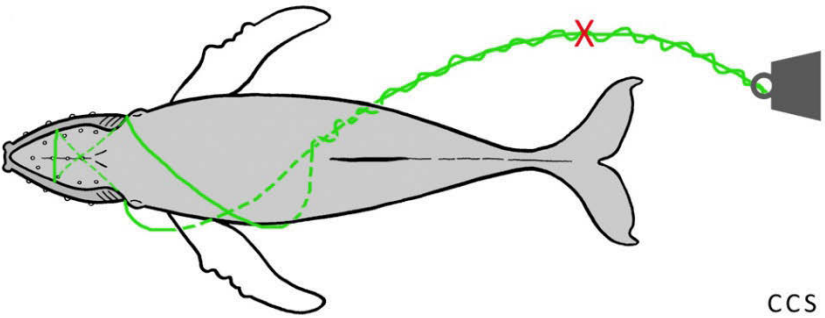
FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E05-14		
Field No.	J 060914 mw	Date 1 st Observed	6/09/14
Location 1 st Observed	5.9 NM east NE of Race Point, Provincetown, MA 42° 05.9' N, 70° 07.4' 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	6/10/14	Gear Retrieved By	IFAW		
Date Gear Received	6/17/14	Received From	M. Moore		
Sources:	USCG		Date Set	Approx. 06/06/14	
	CCS		Date Lost	Approximately 3 days earlier	
	Fisherman	Owner interview	Location	Same as entanglement (state waters)	
	Other		Depth	Approx. 20 fm	
Bottom Type			Sand		
Gear Type:	Trap / Pot	Target Species:	Lobster		
<p><u>Gear Description:</u></p> <p>The recovered gear consists of a highflyer and tide buoy separated by approx.. 4fm of 3/8" sink rope. Both buoys have weak links in accordance with the ALWTRP. The gear was originally rigged as a 20 trap trawl having 100 feet of 7/16" sink rope between traps. Endlines are 3/8" with the top 2/3 being sink rope and the bottom 1/3 float rope.</p>					
<p><u>Comments:</u></p>					
<p><u>Conclusions:</u></p> <p style="text-align: center;">The whale was tangled in the endline of lobster gear.</p>					
Report By:	John F. Kenney	Date:	5/18/16	Current Location of Gear	NMFS, RI

NMFS No.	E06-14
Initial Status	Alive
Subsequent Status (as of the date the NMFS report was completed)	Disentangled - monitor
Date 1st Observed Entangled	6/09/2014
Species	Humpback
Individual ID	Hangglide
Location 1st Observed Entangled	31.15 NM west southwest of Brier Island, NS, Canada
Latitude/Longitude 1st Observed Entangled	44° 08.42'N 67° 06.18'W
Event Description	<p>6/09/2014</p> <ul style="list-style-type: none"> A WW vessel located and reported the entangled animal; however due to the time of day and distance from shore no response was undertaken. <p>6/10/2014</p> <ul style="list-style-type: none"> CWR and DFO responded early and eventually found the animal with a different entanglement configuration. Despite a significant amount of gear and weight being carried by the whale, the teams managed to remove almost all gear except for a small portion in the mouth and over the head. It was believed at the time the whale would shed the remaining gear. <p>6/28/2014</p> <ul style="list-style-type: none"> A WW vessel sighted the animal which was behaving normally. The vessel did not acquire a great look at the head area to see if the whale had shed the remaining gear.
Description of Gear on Whale as Reported	
A. During Initial Sighting	Buoys and line seen trailing behind the animal. Line visible over the rostrum and in the mouth.
B. Subsequent Descriptions	<p>6/10/2014</p> <ul style="list-style-type: none"> Line exiting both sides of the mouth twisting down underneath the body to a bundle of gear just beyond the flukes. One line exited the right side of the mouth and lead tightly over the back to the left flipper.

<p>C. Diagram of Entangling Gear on Whale</p>	 <p style="text-align: right;">CCS</p>
<p>Description of Wounds/Condition</p>	
<p>A. During Initial Sighting</p>	<p>None noted.</p>
<p>B. Subsequent Descriptions</p>	<p>6/10/2014</p> <ul style="list-style-type: none"> Entanglement trauma on the back from the tight line.
<p>Sighting prior to entanglement</p>	<p>Yes, contact CCS</p>
<p>Re-sightings Post-entanglement</p>	<p>None</p>
<p>Life History Information</p>	<p>Unknown sex and age.</p>
<p>NMFS Serious Injury/Mortality Determination</p>	<p>Human-induced injury</p>

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E06-14		
Field No.	J 060914 hw	Date 1 st Observed	6/09/14
Location 1 st Observed	31.2 NM west southwest of Brier Island, NS, Canada 44° 08.4' N, 67° 06.2' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Partial disentanglement
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Hangglide	Gear Analysis Conducted (y/n)	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	N/A	Gear Retrieved By	N/A
Date Gear Received	N/A	Received From	N/A
Sources:	USCG	Date Set	Unknown
	CCS	Date Lost	Unknown
	Fisherman	Location	Unknown
	Other	Photo documentation and descriptions from CWRT & DFO	Depth
Bottom Type			Unknown
Gear Type:	Trap / Pot	Target Species:	Described as lobster
<u>Gear Description:</u> <p style="text-align: center;">Multiple buoys and lines are trailing from the whale.</p>			
<u>Comments:</u>			
<u>Conclusions:</u> <p style="text-align: center;">The whale was entangled in various ropes associated with several trawls of pot gear. The gear was reported to be in Canadian lobster gear.</p>			
Report By:	John F. Kenney	Date:	5/18/16
		Current Location of Gear	N/A

NMFS No.	E07-14
Initial Status	Alive
Subsequent Status (as of the date the NMFS report was completed)	Entangled
Date 1st Observed Entangled	6/21/2014
Species	Humpback
Individual ID	Unknown
Location 1st Observed Entangled	5.85 NM east of Gloucester, MA
Latitude/Longitude 1st Observed Entangled	42° 35.7'N 70° 32.5'W
Event Description	Private boater reported the animal towing at least one buoy. Due to the time of day no response was undertaken. Based on the description, CCS believes this may be the same animal as E04-14, although no documentation prevents confirmation.
Description of Gear on Whale as Reported	
A. During Initial Sighting	A trailing buoy was seen behind the animal with an unknown attachment point.
B. Subsequent Descriptions	None
C. Diagram of Entangling Gear on Whale	None
Description of Wounds/Condition	
A. During Initial Sighting	None noted
B. Subsequent Descriptions	None
Sighting prior to entanglement	Unknown
Re-sightings Post-entanglement	None
Life History Information	Unknown sex and age
NMFS Serious Injury/Mortality Determination	Human-induced prorated injury

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E07-14		
Field No.	J 062114 hw	Date 1 st Observed	6/21/14
Location 1 st Observed	5.8 NM east of Gloucester, MA 42° 35.7' N, 70° 32.5' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	N/A	Gear Retrieved By	N/A
Date Gear Received	N/A	Received From	N/A
Sources:	USCG	Date Set	Unknown
	CCS	Date Lost	Unknown
	Fisherman	Location	Unknown
	Other	Depth	Unknown
		Bottom Type	Unknown
Gear Type:	Unknown	Target Species:	Unknown
<u>Gear Description:</u> <p style="text-align: center;">No gear was documented or recovered.</p>			
<u>Comments:</u> <p>Entanglement reported by a recreational boater, no documentation is known to exist.</p>			
<u>Conclusions:</u> <p style="text-align: center;">No gear was documented or recovered.</p>			
Report By:	John F. Kenney	Date:	5/18/16
		Current Location of Gear	N/A

NMFS No.	E08-14
Initial Status	Alive
Subsequent Status (as of the date the NMFS report was completed)	Entangled
Date 1st Observed Entangled	6/23/2014
Species	Finback
Individual ID	Unknown
Location 1st Observed Entangled	29.94 NM southeast of Chatham, MA
Latitude/Longitude 1st Observed Entangled	41° 27.37'N 69° 28.07'W
Event Description	A tuna spotter reported the animal to the USCG, but could not stand by. CCS responded but despite an exhaustive search they were unable to relocate the whale.
Description of Gear on Whale as Reported	
A. During Initial Sighting	Line trailing about 200 feet behind the animal. Unknown attachment point.
B. Subsequent Descriptions	None
C. Diagram of Entangling Gear on Whale	None
Description of Wounds/Condition	
A. During Initial Sighting	None noted
B. Subsequent Descriptions	None
Sighting prior to entanglement	Unknown
Re-sightings Post-entanglement	None
Life History Information	Unknown age and sex
NMFS Serious Injury/Mortality Determination	Human-induced prorated injury

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E08-14		
Field No.	J 062314 fw	Date 1 st Observed	6/23/14
Location 1 st Observed	29.9 NM southeast of Chatham, MA 41° 27.4' N, 69° 28.1' 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)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	N/A	Gear Retrieved By	N/A
Date Gear Received	N/A	Received From	N/A
Sources:	USCG	Date Set	Unknown
	CCS	Date Lost	Unknown
	Fisherman	Location	Unknown
	Other	Depth	Unknown
		Bottom Type	Unknown
Gear Type:	Unknown	Target Species:	Unknown
<p><u>Gear Description:</u></p> <p style="text-align: center;">No gear was documented or recovered.</p>			
<p><u>Comments:</u></p> <p style="text-align: center;">Entanglement reported by aerial tuna spotter. No contact information available for follow –up interview. No documentation known to exist.</p>			
<p><u>Conclusions:</u></p> <p style="text-align: center;">No gear was documented or recovered.</p>			
Report By:	John F. Kenney	Date:	5/18/16
		Current Location of Gear	N/A

NMFS No.	E09-14
Initial Status	Alive
Subsequent Status (as of the date the NMFS report was completed)	Entangled
Date 1st Observed Entangled	6/29/2014
Species	Right
Individual ID	#1131, Snowball
Location 1st Observed Entangled	180 NM east of Provincetown, MA
Latitude/Longitude 1st Observed Entangled	42° 15.46'N 66° 12.8'W
Event Description	NEFSC aerial survey located and reported the animal. Due to the distance from shore no response was undertaken.
Description of Gear on Whale as Reported	
A. During Initial Sighting	Severe embedded entanglement trauma on the rostrum from at least 1-2 wraps. One line exits from the mouth to 20 feet beyond the flukes. The other line exits from the mouth, extending beyond the flukes and disappearing at depth.
B. Subsequent Descriptions	None
C. Diagram of Entangling Gear on Whale	None
Description of Wounds/Condition	
A. During Initial Sighting	Emaciated, pale skin with extensive cyanid coverage.
B. Subsequent Descriptions	None
Sighting prior to entanglement	5/22/2010
Re-sightings Post-entanglement	None
Life History Information	Adult male
NMFS Serious Injury/Mortality Determination	Human-induced serious injury

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E09-14		
Field No.	J 062914 rw	Date 1 st Observed	6/29/14
Location 1 st Observed	180 NM east of Provincetown, MA 42° 15.5' N, 66° 12.8' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Right	Gear Recovered (y/n)	No
Individual ID	#1131, Snowball	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	N/A	Gear Retrieved By	N/A
Date Gear Received	N/A	Received From	N/A
Sources:	USCG	Date Set	Unknown
	CCS	Date Lost	Unknown
	Fisherman	Location	Unknown
	Other	Photo documentation from NEFSC aerial survey team	Depth
Bottom Type			Unknown
Gear Type:	Unknown	Target Species:	Unknown
<p><u>Gear Description:</u> Several lines are trailing from the mouth area.</p>			
<p><u>Comments:</u> Only documentation from the aerial platform exists. No identifying characteristics are visible in the photographs.</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:	5/18/16
		Current Location of Gear	N/A

NMFS No.	E10-14
Initial Status	Alive
Subsequent Status (as of the date the NMFS report was completed)	Entangled
Date 1st Observed Entangled	7/10/2014
Species	Minke
Individual ID	Unknown
Location 1st Observed Entangled	10.22 NM southeast of Southport, ME
Latitude/Longitude 1st Observed Entangled	43° 44.0'N 69° 28.64'W
Event Description	Recreational boater reported the animal to the USCG and MMP. MMP responded but was unable to relocate the animal.
Description of Gear on Whale as Reported	
A. During Initial Sighting	Bullet buoys seen trailing beyond the flukes. Unknown attachment point.
B. Subsequent Descriptions	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	Unknown
Re-sightings Post-entanglement	None
Life History Information	Unknown sex and age
NMFS Serious Injury/Mortality Determination	Human-induced prorated injury

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E10-14		
Field No.	J 071014 mw	Date 1 st Observed	7/10/14
Location 1 st Observed	10.2 NM southeast of Southport, ME 43° 44.0' N, 69° 28.6' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Minke	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	N/A	Gear Retrieved By	N/A
Date Gear Received	N/A	Received From	N/A
Sources:	USCG	Date Set	Unknown
	CCS	Date Lost	Unknown
	Fisherman	Location	Unknown
	Other	Photo documentation from private boater	Depth
Bottom Type			Unknown
Gear Type:	Unknown fixed gear	Target Species:	Unknown
<u>Gear Description:</u> <p style="text-align: center;">Two buoys are trailing the whale.</p>			
<u>Comments:</u> <p style="text-align: center;">Entanglement reported by recreational boater. Gear was not recovered and documentation shows buoys and line present.</p>			
<u>Conclusions:</u> <p style="text-align: center;">The whale is carrying endline(s) and buoys of some unknown fixed gear.</p>			
Report By:	John F. Kenney	Date:	5/18/16
		Current Location of Gear	N/A

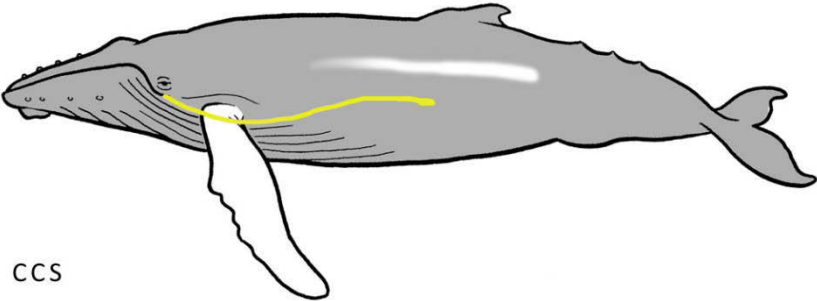
NMFS No.	E11-14
Initial Status	Alive
Subsequent Status (as of the date the NMFS report was completed)	Entangled
Date 1st Observed Entangled	7/12/2014
Species	Minke
Individual ID	Unknown
Location 1st Observed Entangled	9.75 NM south of Southampton, NY
Latitude/Longitude 1st Observed Entangled	40° 42.45'N 72° 23.46'W
Event Description	Recreational fisherman reported the animal and stood by, but due to atypical location of the report it took a long time to mount a response. The fisherman was not able to stand by until the USCG and Riverhead Foundation arrived. The response team was not able to relocate the animal.
Description of Gear on Whale as Reported	
A. During Initial Sighting	Packing strapping embedded on both sides and top of the upper jaw.
B. Subsequent Descriptions	None
C. Diagram of Entangling Gear on Whale	None
Description of Wounds/Condition	
A. During Initial Sighting	Entanglement trauma on the rostrum.
B. Subsequent Descriptions	None
Sighting prior to entanglement	Unknown
Re-sightings Post-entanglement	None
Life History Information	Unknown age and sex.
NMFS Serious Injury/Mortality Determination	Human-induced serious injury

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E11-14		
Field No.	J 071214 mw	Date 1 st Observed	7/12/14
Location 1 st Observed	9.7 NM south of Southampton, NY 40° 42.4' N, 72° 23.5' 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	N/A	Gear Retrieved By	N/A
Date Gear Received	N/A	Received From	N/A
Sources:	USCG	Date Set	N/A
	CCS	Date Lost	N/A
	Fisherman	Location	N/A
	Other	Photo documentation by private boater	Depth
Bottom Type			N/A
Gear Type:	Not fishing gear	Target Species:	N/A
<u>Gear Description:</u> <p style="text-align: center;">From the photos it appeared that the whale was entangled in package strapping.</p>			
<u>Comments:</u> <p style="text-align: center;">Recreational fisherman provided documentation of the entanglement.</p>			
<u>Conclusions:</u> <p style="text-align: center;">Entanglement does not appear to involve fishing gear.</p>			
Report By:	John F. Kenney	Date:	5/19/16
		Current Location of Gear	N/A

NMFS No.	E12-14
Initial Status	Alive
Subsequent Status (as of the date the NMFS report was completed)	Entangled
Date 1st Observed Entangled	7/18/2014
Species	Humpback
Individual ID	Unknown
Location 1st Observed Entangled	Provincetown Harbor, MA
Latitude/Longitude 1st Observed Entangled	42° 02.6'N 70° 09.2'W
Event Description	A charter vessel sighted and reported the animal to CCS who responded. The animal had very little gear trailing from the mouth and it was concluded that the animal would likely shed the gear.
Description of Gear on Whale as Reported	
A. During Initial Sighting	A small piece of line exiting the left side of the mouth.
B. Subsequent Descriptions	None
C. Diagram of Entangling Gear on Whale	 <p>CCS</p>
Description of Wounds/Condition	
A. During Initial Sighting	Overall condition was poor. The animal was thin and healing entanglement trauma was visible over various areas of the body.
B. Subsequent Descriptions	None
Sighting prior to entanglement	Unknown
Re-sightings Post-entanglement	None
Life History Information	Unknown age and sex
NMFS Serious Injury/Mortality Determination	Human-induced serious injury

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E12-14		
Field No.	J 071814 hw	Date 1 st Observed	7/18/14
Location 1 st Observed	Provincetown Harbor, MA 42° 02.6'N 70° 09.2'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	N/A	Gear Retrieved By	N/A	
Date Gear Received	N/A	Received From	N/A	
Sources:	USCG		Date Set	
	CCS	Photo & descriptions	Date Lost	
	Fisherman		Location	
	Other		Depth	Unknown
			Bottom Type	Unknown
Gear Type:	Unknown	Target Species:	Unknown	
<u>Gear Description:</u> Line is trailing from the mouth area.				
<u>Comments:</u>				
<u>Conclusions:</u> Line of unknown origin trailing from the mouth.				
Report By:	John F. Kenney	Date:	5/19/16	
		Current Location of Gear	N/A	

NMFS No.	E13-14
Initial Status	Alive
Subsequent Status (as of the date the NMFS report was completed)	Deceased
Date 1st Observed Entangled	7/29/2014
Species	Minke
Individual ID	Unknown
Location 1st Observed Entangled	4.5 NM southeast of Herring Cove, NS
Latitude/Longitude 1st Observed Entangled	44° 32.08'N 63° 27.63'W
Event Description	Live animal found anchored in gear with severe injuries. Found deceased the next day.
Description of Gear on Whale as Reported	
A. During Initial Sighting	Line with traps was described as wrapped around the tailstock.
B. Subsequent Descriptions	None
C. Diagram of Entangling Gear on Whale	None
Description of Wounds/Condition	
A. During Initial Sighting	Tongue ballooned out forcing open the jaw 90 degrees.
B. Subsequent Descriptions	None
Sighting prior to entanglement	Unknown
Re-sightings Post-entanglement	None
Life History Information	Unknown age and sex
NMFS Serious Injury/Mortality Determination	Human-induced mortality; primary cause was ship strike, secondary cause was entanglement

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E13-14		
Field No.	J 072914 mw	Date 1 st Observed	7/29/14
Location 1 st Observed	4.5 NM southeast of Herring Cove, NS, Canada 44° 32.1' N, 63° 27.6' 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	7/30/14	Gear Retrieved By	DFO
Date Gear Received	N/A	Received From	N/A
Sources:	USCG	Date Set	Unknown
	CCS	Date Lost	Unknown
	Fisherman	Location	Unknown
	Other	MARS – photographs; DFO – recovery of gear	Depth
Bottom Type			Unknown
Gear Type:	Trap/Pot	Target Species:	Described as lobster
<u>Gear Description:</u> <p style="text-align: center;">DFO reported that multiple sets of lobster trap gear were involved.</p>			
<u>Comments:</u> 			
<u>Conclusions:</u> <p style="text-align: center;">Line from Canadian trap gear (described as lobster) was wrapped around the tailstock of the animal.</p>			
Report By:	Glenn Salvador	Date:	6/23/16
		Current Location of Gear	Canada

NMFS No.	E14-14
Initial Status	Alive
Subsequent Status (as of the date the NMFS report was completed)	Entangled
Date 1st Observed Entangled	8/20/2014
Species	Finback
Individual ID	Unknown
Location 1st Observed Entangled	30.2 NM east of Provincetown, MA
Latitude/Longitude 1st Observed Entangled	42° 05.62'N 69° 26.53'W
Event Description	A tuna spotter pilot sighted the animal but the report was not relayed until the next day. No response was initiated and no documentation is known to exist. Potentially the same animal as E08-14, but no documentation prevents confirmation.
Description of Gear on Whale as Reported	
A. During Initial Sighting	200 feet of line trailing from the tail with a buoy about half way back. Unknown attachment point.
B. Subsequent Descriptions	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	Unknown
Re-sightings Post-entanglement	None
Life History Information	Unknown age and sex
NMFS Serious Injury/Mortality Determination	Human-induced pro-rated injury

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E14-14		
Field No.	J 082014 fw	Date 1 st Observed	8/20/14
Location 1 st Observed	30.2 NM east of Provincetown, MA 42° 05.6' N, 69° 26.5' 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)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	N/A	Gear Retrieved By	N/A
Date Gear Received	N/A	Received From	N/A
Sources:	USCG	Date Set	Unknown
	CCS	Date Lost	Unknown
	Fisherman	Location	Unknown
	Other	Depth	Unknown
		Bottom Type	Unknown
Gear Type:	Unknown	Target Species:	Unknown
<u>Gear Description:</u> <p style="text-align: center;">No gear was documented or recovered.</p>			
<u>Comments:</u> <p style="text-align: center;">Entanglement reported by aerial tuna spotter. No contact information available for follow –up interview. No documentation known to exist.</p>			
<u>Conclusions:</u> <p style="text-align: center;">No gear was documented or recovered.</p>			
Report By:	John F. Kenney	Date:	5/19/16
		Current Location of Gear	N/A

NMFS No.	E15-14
Initial Status	Dead
Subsequent Status (as of the date the NMFS report was completed)	Deceased
Date 1st Observed Entangled	8/23/2014
Species	Finback
Individual ID	Unknown
Location 1st Observed Entangled	11 NM southeast of Monomoy Island, MA
Latitude/Longitude 1st Observed Entangled	41° 25.09'N 69° 49.4'W
Event Description	USCG received a report of an entangled carcass. The carcass was not recovered or documented besides one photograph showing very little.
Description of Gear on Whale as Reported	
A. During Initial Sighting	Unknown how the animal was entangled.
B. Subsequent Descriptions	None
C. Diagram of Entangling Gear on Whale	None
Description of Wounds/Condition	
A. During Initial Sighting	Bloated tongue visible.
B. Subsequent Descriptions	None
Sighting prior to entanglement	Unknown
Re-sightings Post-entanglement	None
Life History Information	Unknown age and sex
NMFS Serious Injury/Mortality Determination	Human-induced injury, cause of death undetermined

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E15-14		
Field No.	J 082314 fw	Date 1 st Observed	8/23/14
Location 1 st Observed	11 NM southeast of Monomoy Island, MA 41° 25.1' N, 69° 49.4' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Carcass
Species	Finback	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	N/A	Gear Retrieved By	N/A
Date Gear Received	N/A	Received From	N/A
Sources:	USCG	Date Set	Unknown
	CCS	Date Lost	Unknown
	Fisherman	Location	Unknown
	Other	Depth	Unknown
Bottom Type		Unknown	
Gear Type:	Unknown	Target Species:	Unknown
<u>Gear Description:</u> No gear recovered.			
<u>Comments:</u> Solitary photograph did not show any gear.			
<u>Conclusions:</u> No gear recovered.			
Report By:	John F. Kenney	Date:	5/19/16
		Current Location of Gear	N/A

NMFS No.	E16-14
Initial Status	Alive
Subsequent Status (as of the date the NMFS report was completed)	Entangled
Date 1st Observed Entangled	9/03/2014
Species	Humpback
Individual ID	Unknown
Location 1st Observed Entangled	~600 feet off Harvey Cedars, Long Island Beach, NJ
Latitude/Longitude 1st Observed Entangled	39° 41.04'N 74° 08.4'W
Event Description	<p>9/03/2014</p> <ul style="list-style-type: none"> A recreational boater sighted and reported the animal to the USCG. The boater managed to document the animal from above and below the water. The USCG responded and documented the animal further for over an hour and thought the animal was anchored despite no visible line leading down to depth. A response was mounted the next day but the animal was not relocated. <p>9/20/2014 & 9/23/2014</p> <ul style="list-style-type: none"> The animal was sighted briefly by a local whale watch company but it was unclear if the gear was still present.
Description of Gear on Whale as Reported	
A. During Initial Sighting	Mesh over the head and likely in the mouth.
B. Subsequent Descriptions	None
C. Diagram of Entangling Gear on Whale	None
Description of Wounds/Condition	
A. During Initial Sighting	Ship strike trauma partially healed on the body.
B. Subsequent Descriptions	Overall poor health condition and fluke was extensively covered with parasites.
Sighting prior to entanglement	Yes, contact CCS
Re-sightings Post-entanglement	None
Life History Information	Unknown age and sex
NMFS Serious Injury/Mortality Determination	Human-induced injury

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E16-14		
Field No.	J 090314 hw	Date 1 st Observed	9/03/14
Location 1 st Observed	~600 feet of Harvey Cedars, Long Is. Beach, NJ 39° 41.0' N, 74° 08.4' 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	N/A	Gear Retrieved By	N/A	
Date Gear Received	N/A	Received From	N/A	
Sources:	USCG	Photo documentation	Date Set	Unknown
	CCS		Date Lost	Unknown
	Fisherman		Location	Unknown
	Other	Photo documentation from private boater.	Depth	Unknown
Bottom Type			Unknown	
Gear Type:	Monofilament netting	Target Species:	Unknown	
<u>Gear Description:</u> <p style="text-align: center;">Whale appears to be carrying monofilament netting</p>				
<u>Comments:</u> Recreational boater provided photographs and underwater documentation. No gear was visible besides mesh.				
<u>Conclusions:</u> <p style="text-align: center;">Monofilament webbing over the head of the animal. No lead line or float line visible.</p>				
Report By:	John F. Kenney	Date:	5/19/16	
		Current Location of Gear	N/A	

NMFS No.	E17-14
Initial Status	Alive
Subsequent Status (as of the date the NMFS report was completed)	Entangled
Date 1st Observed Entangled	9/04/2014
Species	Right
Individual ID	#4001
Location 1st Observed Entangled	7.3 NM southeast of Grand Manan Island, NB
Latitude/Longitude 1st Observed Entangled	44° 33.0'N 66° 33.0'W
Event Description	<p>9/04/2014</p> <ul style="list-style-type: none"> NEAq research team discovered and reported the animal to the CWR. The CWR team could not relocate the whale. <p>10/12/2014</p> <ul style="list-style-type: none"> A WW vessel noticed in post trip analysis that the animal was entangled. No response was undertaken.
Description of Gear on Whale as Reported	
A. During Initial Sighting	Line seen just forward of the blowholes.
B. Subsequent Descriptions	Line visible just forward of the blowholes.
C. Diagram of Entangling Gear on Whale	None
Description of Wounds/Condition	
A. During Initial Sighting	Entanglement trauma visible on the head.
B. Subsequent Descriptions	Line appeared to be tighter around the head of the animal. Entanglement trauma around the line had expanded.
Sighting prior to entanglement	8/20/2014
Re-sightings Post-entanglement	None
Life History Information	Juvenile male
NMFS Serious Injury/Mortality Determination	Human-induced serious injury

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E17-14		
Field No.	J 090414 rw	Date 1 st Observed	9/04/14
Location 1 st Observed	7.3 NM southeast of Grand Manan Island, NB, Canada 44° 33.0' N, 66° 33.0' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Right	Gear Recovered (y/n)	No
Individual ID	#4001	Gear Analysis Conducted (y/n)	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	N/A	Gear Retrieved By	N/A
Date Gear Received	N/A	Received From	N/A
Sources:	USCG	Date Set	Unknown
	CCS	Date Lost	Unknown
	Fisherman	Location	Unknown
	Other	Coastwise Consulting and NEAq photo documentation	Depth
Bottom Type			Unknown
Gear Type:	Unknown	Target Species:	Unknown
<u>Gear Description:</u> <p style="text-align: center;">Line around rostrum.</p>			
<u>Comments:</u> Photographs do not show any distinguishing characteristics or markings.			
<u>Conclusions:</u> <p style="text-align: center;">Line of unknown origin visible over the head.</p>			
Report By:	John F. Kenney	Date:	5/19/16
		Current Location of Gear	N/A

NMFS No.	E18-14
Initial Status	Dead
Subsequent Status (as of the date the NMFS report was completed)	Deceased
Date 1st Observed Entangled	9/04/2014
Species	Right
Individual ID	Unknown
Location 1st Observed Entangled	114 NM southeast of Saint-Pierre, Newfoundland
Latitude/Longitude 1st Observed Entangled	44° 52.92'N 55° 43.01'W
Event Description	A pollution survey located and documented the animal. Large sharks were seen foraging on the carcass.
Description of Gear on Whale as Reported	
A. During Initial Sighting	Line documented over the body and rostrum and near the animal but the attachment points were unknown.
B. Subsequent Descriptions	None
C. Diagram of Entangling Gear on Whale	None
Description of Wounds/Condition	
A. During Initial Sighting	Scavenging trauma was visible on various parts of the carcass.
B. Subsequent Descriptions	None
Sighting prior to entanglement	Unknown
Re-sightings Post-entanglement	None
Life History Information	Unknown age and sex
NMFS Serious Injury/Mortality Determination	Human-induced mortality

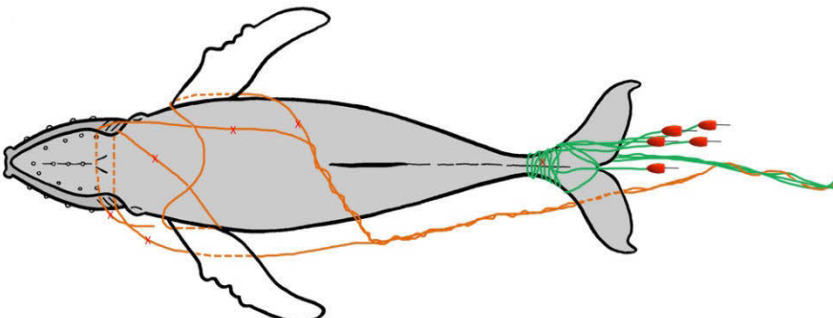
FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E18-14		
Field No.	J 090414 rw A	Date 1 st Observed	9/04/14
Location 1 st Observed	114 NM southeast of Saint-Pierre, Newfoundland, Canada 44° 52.9' N, 55° 43.0' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Carcass
Species	Right	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	N/A	Gear Retrieved By	N/A
Date Gear Received	N/A	Received From	N/A
Sources:	USCG	Date Set	Unknown
	CCS	Date Lost	Unknown
	Fisherman	Location	Unknown
	Other	DFO aerial survey - photographs	Depth
Bottom Type			Unknown
Gear Type:	Unknown	Target Species:	Unknown
<u>Gear Description:</u> <p style="text-align: center;">Line of unknown origin is visible in the photographs.</p>			
<u>Comments:</u> 			
<u>Conclusions:</u> <p style="text-align: center;">Line of unknown origin is seen wrapping the rostrum and body. Unknown attachment points.</p>			
Report By:	John F. Kenney	Date:	5/19/16
		Current Location of Gear	N/A

NMFS No.	E19-14
Initial Status	Alive
Subsequent Status (as of the date the NMFS report was completed)	Deceased
Date 1st Observed Entangled	9/11/2014
Species	Humpback
Individual ID	Spinnaker
Location 1st Observed Entangled	18.23 NM southeast of Southwest Harbor, ME
Latitude/Longitude 1st Observed Entangled	44° 00.27'N 68° 08.64'W on 9/12/2014
Event Description	<p>9/11/2014</p> <ul style="list-style-type: none"> Images later discovered in post-trip analysis from a whale watch trip that the animal had at least the gillnet portion of the entanglement on the body. <p>9/12/2014</p> <ul style="list-style-type: none"> A whale watch vessel documented and reported the anchored animal to the MMP. The marine patrol responded and attached a telemetry buoy late in the day for a disentanglement event the following day. <p>9/13/2014</p> <ul style="list-style-type: none"> CCS responded with MMP and disentangled the severely wrapped animal, except for a small piece of line left in the mouth. The remaining line was expected to be shed by the animal at a later date. <p>5/14/2015</p> <ul style="list-style-type: none"> NEFSC aerial survey spotted the animal entangled in a new set of gear. CCS responded and removed all of the gear except for a piece of gillnet and line still in the mouth from the 2014 entanglement. <p>6/11/2015</p> <ul style="list-style-type: none"> Found deceased and washed ashore. Necropsy revealed that the 2014 entanglement contributed to the cause of death.
Description of Gear on Whale as Reported	
A. During Initial Sighting	Monofilament netting wrapped over the body.
B. Subsequent Descriptions	<p>9/12/2014 & 9/13/2014</p> <ul style="list-style-type: none"> Monofilament netting wrapped in the mouth and over the body. Lines from multiple sets of pot gear were wrapped on the tail and tailstock.

<p>C. Diagram of Entangling Gear on Whale</p>	<p>5/14/2015</p> <ul style="list-style-type: none"> Multiple lines in mouth leading to the tailstock and fluke with multiple pots suspended below.
<p>Description of Wounds/Condition</p>	<p>2014 entanglement</p> 
<p>A. During Initial Sighting B. Subsequent Descriptions</p>	<p>None noted</p> <p>9/12/2014 & 9/13/2014</p> <ul style="list-style-type: none"> Entanglement trauma visible over the body, tailstock and fluke <p>5/14/2015</p> <ul style="list-style-type: none"> Entanglement trauma visible over the head and tailstock and fluke. <p>6/11/2015</p> <ul style="list-style-type: none"> Necropsy found severe entanglement trauma in the mouth from the 2014 entanglement, including line embedded into the bone of the rostrum by 27cm.
<p>Sighting prior to entanglement</p>	<p>Yes, contact CCS</p>
<p>Re-sightings Post-entanglement</p>	<p>None</p>
<p>Life History Information</p>	<p>Adult female</p>
<p>NMFS Serious Injury/Mortality Determination</p>	<p>Human-induced mortality</p>

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E19-14		
Field No.	J 091114 hw	Date 1 st Observed	9/11/14
Location 1 st Observed	18.2 NM southeast of Southwest Harbor, ME 44° 0.3' N, 68° 08.6' W on 9/12/14	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Partial Disentanglement
Species	Humpback	Gear Recovered (y/n)	Yes
Individual ID	Spinnaker	Gear Analysis Conducted (y/n)	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	9/12/14	Gear Retrieved By	MMP		
Date Gear Received	10/01/14	Received From	MMP		
Sources:	USCG		Date Set	Some gear set on 9/9/14	
	CCS	Photo documentation	Date Lost	Gear was set on 9/9/14	
	Fisherman	Owner Interview	Location	Same as found entangled	
	Other	MMP had photo documentation	Depth	25 fathom	
Bottom Type			Rocky		
Gear Type:	Trap/Pot & Gillnet		Target Species:	Lobster & Unknown	
<p><u>Gear Description:</u> From markings on a recovered buoy the owner of some of the lobster gear was identified and interviewed. It was a two trap trawl with a single end line. The trawl was configured with 3/8" line and appropriate sinking line between traps. A "Go Deep" 18"X8" brand buoy was used to mark the gear and the appropriate number of hog rings was used for the weak link. The recovered trap gear was only a small portion of the entire entanglement. Gillnet was also documented but no identifying marks were found.</p>					
<p><u>Comments:</u> Gear owner interview and photo documentation from multiple sources indicated gillnet and multiple sets of trap gear were involved.</p>					
<p><u>Conclusions:</u> Animal was entangled in gillnet and multiple sets of trap gear. It is unknown what gear was encountered in the initial entanglement.</p>					
Report By:	Glenn Salvador	Date:	6/20/16	Current Location of Gear	NMFS, RI

NMFS No.	E20-14
Initial Status	Alive
Subsequent Status (as of the date the NMFS report was completed)	Entangled
Date 1st Observed Entangled	9/17/2014
Species	Right
Individual ID	#3279
Location 1st Observed Entangled	1.2 NM east of Chester, NS, Canada
Latitude/Longitude 1st Observed Entangled	44° 32.5'N 64° 11.15'W
Event Description	CWI and NEAq sighted and documented the animal. Due to the time of day no response was undertaken.
Description of Gear on Whale as Reported	
A. During Initial Sighting	Line exiting the right side of the mouth which led to a frayed bitter end just beyond the head. Line lead from the left side of the head (unknown if attachment point was mouth or flipper) cutting into the nostrils and disappearing over the right side of the head.
B. Subsequent Descriptions	None
C. Diagram of Entangling Gear on Whale	None
Description of Wounds/Condition	
A. During Initial Sighting	Embedded line in the nostrils and poor overall condition. Entanglement trauma on the tailstock.
B. Subsequent Descriptions	None
Sighting prior to entanglement	4/21/2014
Re-sightings Post-entanglement	None
Life History Information	Adult male
NMFS Serious Injury/Mortality Determination	Human-induced serious injury

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E20-14		
Field No.	J 091714 rw	Date 1 st Observed	9/17/14
Location 1 st Observed	1.2 NM east of Chester, NS, Canada 44° 32.5' N, 64° 11.2' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Right	Gear Recovered (y/n)	No
Individual ID	#3279	Gear Analysis Conducted (y/n)	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	N/A	Gear Retrieved By	N/A
Date Gear Received	N/A	Received From	N/A
Sources:	USCG	Date Set	Unknown
	CCS	Date Lost	Unknown
	Fisherman	Location	Unknown
	Other	Photo documentation CWI / NEAq	Depth
Bottom Type			Unknown
Gear Type:	Unknown	Target Species:	Unknown
<u>Gear Description:</u> <p style="text-align: center;">Rope is seen wrapping over back and exiting from the mouth.</p>			
<u>Comments:</u> Photographs do not show any distinguishing characteristics or markings.			
<u>Conclusions:</u> <p style="text-align: center;">Line is seen exiting the right side of the mouth and is visible over the head.</p>			
Report By:	John F. Kenney	Date:	5/19/16
		Current Location of Gear	N/A

NMFS No.	E21-14
Initial Status	Alive
Subsequent Status (as of the date the NMFS report was completed)	Entangled
Date 1st Observed Entangled	9/20/2014
Species	Humpback
Individual ID	NYC #0010
Location 1st Observed Entangled	Off Rockaway Beach, Long Island, NY
Latitude/Longitude 1st Observed Entangled	40° 33.8'N 73° 46.9'W
Event Description	A WW vessel noted in post-trip analysis that the animal was carrying gear. No response was undertaken.
Description of Gear on Whale as Reported	
A. During Initial Sighting	Multiple wraps around the tailstock and fluke. Unknown anchoring points.
B. Subsequent Descriptions	None
C. Diagram of Entangling Gear on Whale	None
Description of Wounds/Condition	
A. During Initial Sighting	Entanglement trauma visible on the tailstock and fluke.
B. Subsequent Descriptions	None
Sighting prior to entanglement	Unknown
Re-sightings Post-entanglement	None
Life History Information	Unknown age and sex
NMFS Serious Injury/Mortality Determination	Human-induced prorated injury

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E21-14		
Field No.	J 092014 hw	Date 1 st Observed	9/20/14
Location 1 st Observed	Off Rockaway Beach, Long Island, NY 40° 33.8' N, 73° 46.9' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	NYC #0010	Gear Analysis Conducted (y/n)	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	N/A	Gear Retrieved By	N/A
Date Gear Received	N/A	Received From	N/A
Sources:	USCG	Date Set	Unknown
	CCS	Date Lost	Unknown
	Fisherman	Location	Unknown
	Other	Photo documentation by WW passenger	Depth
Bottom Type			Unknown
Gear Type:	Gillnet	Target Species:	Unknown
<u>Gear Description:</u> <p style="text-align: center;">Whale is seen with gillnet running down its right side and on the tail.</p>			
<u>Comments:</u> Photographs do not show any distinguishing characteristics or markings to conduct detailed gear analysis.			
<u>Conclusions:</u> <p style="text-align: center;">Gillnet is wrapped around the tail and potentially other portions of the animal.</p>			
Report By:	Glenn Salvador	Date:	6/20/16
		Current Location of Gear	N/A

NMFS No.	E22-14
Initial Status	Dead
Subsequent Status (as of the date the NMFS report was completed)	Deceased
Date 1st Observed Entangled	9/27/2014
Species	Right
Individual ID	Unknown
Location 1st Observed Entangled	36 NM south of Wasque Point, Chappaquiddick, Nantucket Island, MA
Latitude/Longitude 1st Observed Entangled	40° 43.82'N 70° 21.67'W
Event Description	USCG aerial survey sighted and documented the animal. Carcass was not reported until the next day and poor weather prevented an immediate search for the animal. A search conducted days later did not relocate the carcass.
Description of Gear on Whale as Reported	
A. During Initial Sighting	Line visible around the head, right flipper and over the body.
B. Subsequent Descriptions	None
C. Diagram of Entangling Gear on Whale	None
Description of Wounds/Condition	
A. During Initial Sighting	Entanglement trauma over the body and shark predation visible.
B. Subsequent Descriptions	None
Sighting prior to entanglement	Unknown
Re-sightings Post-entanglement	None
Life History Information	Unknown age and sex
NMFS Serious Injury/Mortality Determination	Human-induced mortality

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E22-14		
Field No.	J 092714 rw	Date 1 st Observed	9/27/14
Location 1 st Observed	36 NM south of Wasque Point, Chappaquiddick, Nantucket Island, MA 40° 43.8' N, 70° 21.7' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Carcass
Species	Right	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	N/A		Gear Retrieved By	N/A	
Date Gear Received	N/A		Received From	N/A	
Sources:	USCG	Photo documentation	Date Set	Unknown	
	CCS		Date Lost	Unknown	
	Fisherman		Location	Unknown	
	Other		Depth	Unknown	
			Bottom Type	Unknown	
Gear Type:	Unknown		Target Species:	Unknown	
<p><u>Gear Description:</u> Red polyball and line visible. Wraps around the right flipper and line is seen laying across the head and body. Polyball on the ventral side of the whale.</p>					
<p><u>Comments:</u> Photographs do not show any distinguishing characteristics or markings to conduct detailed gear analysis.</p>					
<p><u>Conclusions:</u> Wraps around the right flipper are visible and line is seen laying across the head and body. Polyball on the ventral side of the whale. Gear of unknown origin.</p>					
Report By:	Glenn Salvador	Date:	6/20/16	Current Location of Gear	N/A

NMFS No.	E23-14
Initial Status	Alive
Subsequent Status (as of the date the NMFS report was completed)	Entangled
Date 1st Observed Entangled	10/01/2014
Species	Humpback
Individual ID	Unknown
Location 1st Observed Entangled	12 NM east of Metompkin Inlet, VA
Latitude/Longitude 1st Observed Entangled	37° 39.76'N 75° 19.7'W
Event Description	Recreational boater reported and documented the animal. VAq responded but were unable to relocate the whale.
Description of Gear on Whale as Reported	
A. During Initial Sighting	Gillnet described as wrapped around the fluke. Although confirmation could not be made as to the origin of gear type.
B. Subsequent Descriptions	None
C. Diagram of Entangling Gear on Whale	None
Description of Wounds/Condition	
A. During Initial Sighting	Bleeding wounds around the tailstock and fluke.
B. Subsequent Descriptions	None
Sighting prior to entanglement	Unknown
Re-sightings Post-entanglement	None
Life History Information	Unknown age and sex
NMFS Serious Injury/Mortality Determination	Human-induced prorated injury

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E23-14		
Field No.	J100114 hw	Date 1 st Observed	10/01/14
Location 1 st Observed	12 NM east of Metompkin Inlet, VA 37° 39.8' N, 75° 19.7' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	N/A	Gear Retrieved By	N/A
Date Gear Received	N/A	Received From	N/A
Sources:	USCG	Date Set	Unknown
	CCS	Date Lost	Unknown
	Fisherman	Location	Unknown
	Other	Rec. fisherman provided one poor photograph	Depth
Bottom Type			Unknown
Gear Type:	Unknown	Target Species:	Unknown
<u>Gear Description:</u> <p style="text-align: center;">Unable to determine gear type due to poor quality of photograph.</p>			
<u>Comments:</u> Unable to determine gear type due to poor quality of photograph.			
<u>Conclusions:</u> <p style="text-align: center;">Animal had gear of unknown type wrapped around the tail area. Unknown if other attachment existed.</p>			
Report By:	Glenn Salvador	Date:	6/20/16
		Current Location of Gear	N/A

NMFS No.	E24-14
Initial Status	Alive
Subsequent Status (as of the date the NMFS report was completed)	Partial disentanglement – unknown outcome
Date 1st Observed Entangled	12/15/2014
Species	Humpback
Individual ID	Unknown
Location 1st Observed Entangled	8.5 NM south of Grand Manan Island, NB, Canada
Latitude/Longitude 1st Observed Entangled	44° 25.4'N 66° 45.4'W
Event Description	Report received via MARS. Fisherman approached the entangled whale and hauled the gear thinking the animal was deceased. The animal reacted to the hauling and dove and appeared to surface gear-free although confirmation could not be made.
Description of Gear on Whale as Reported	
A. During Initial Sighting	No description
B. Subsequent Descriptions	None
C. Diagram of Entangling Gear on Whale	None
Description of Wounds/Condition	
A. During Initial Sighting	None noted
B. Subsequent Descriptions	None
Sighting prior to entanglement	Unknown
Re-sightings Post-entanglement	None
Life History Information	Unknown age and sex
NMFS Serious Injury/Mortality Determination	Human-induced prorated injury

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E24-14		
Field No.	J121514 hw	Date 1 st Observed	12/15/14
Location 1 st Observed	8.5 NM south of Grand Manan Island, NB, Canada 44° 25.4' N, 66° 45.4' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Humpback	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	N/A	Gear Retrieved By	N/A
Date Gear Received	N/A	Received From	N/A
Sources:	USCG	Date Set	Unknown
	CCS	Date Lost	Unknown
	Fisherman	Location	Unknown
	Other	Depth	Unknown
Bottom Type		Unknown	
Gear Type:	Unknown trap/pot	Target Species:	Unknown
<u>Gear Description:</u> <p style="text-align: center;">Gear was described as a trawl by the fisherman.</p>			
<u>Comments:</u> 			
<u>Conclusions:</u> <p style="text-align: center;">The only description was that it was actively fished gear and described as a trawl.</p>			
Report By:	Glenn Salvador	Date:	5/24/16
		Current Location of Gear	Unknown