

**Table 5. Confirmed human-caused mortality and serious injury records of Western North Atlantic right whales (*Eubalaena glacialis*), 2005 - 2009.**

Date <sup>a</sup>	Report Type	Age, Sex, ID, Length	Location <sup>a</sup>	Assigned Cause: P=primary, S=secondary		Notes/Observations
				Ship Strike	Entanglement/ Fishery interaction	
1/12/2005	mortality	Adult Female #2143 13.1m	Cumberland Island, GA	P		Healed propeller wounds from strike as a calf reopened as a result of pregnancy
3/10/2005	serious injury	Adult <sup>b</sup> Female <sup>b</sup> #2425	Cumberland Island, GA	P		43 ft power yacht partially severed left fluke; resighted 9/4/05 in extremely poor condition
4/28/2005	mortality	Adult Female #2617 14.7m	Monomoy Island, MA	P		Significant bruising and multiple vertebral fractures
1/10/2006	mortality	Calf Male 5.4m w/out fluke	Jacksonville, FL	P		Propeller lacerations associated with hemorrhaging and edema; flukes completely severed
1/22/2006	mortality	Calf Female <sup>b</sup> 5.6m	off Ponte Vedra Beach, FL		P	Significant premortem lesions from entanglement in apparent monofilament netting; no gear present
3/11/2006	serious injury	Yearling Male #3522	Off Cumberland Island, GA	P		11 propeller lacerations across dorsal surface
<p>a. The date sighted and location provided in the table are not necessarily when or where the serious injury or mortality occurred; rather, this information indicates when and where the whale was first reported beached, entangled, or injured.</p> <p>b. Additional information on previous event that was not included in previous reports.</p>						

**Table 5, continued. Confirmed human-caused mortality and serious injury records of Western North Atlantic right whales (*Eubalaena glacialis*), 2005 - 2009.**

Date <sup>a</sup>	Report Type	Age, Sex, ID, Length	Location <sup>a</sup>	Assigned Cause: P=primary, S=secondary		Notes/Observations
				Ship Strike	Entanglement/ Fishery interaction	
7/24/2006	mortality	age unknown Female 9.6m	Campobello Island, NB	P		Propeller lacerations through blubber, into muscle and ribs
8/24/2006	mortality	Adult Female 14.7m	Roseway Basin, NS	P		16 fractured vertebrae; dorsal blubber bruise from head to genital region
12/30/2006	mortality	Yearling Male #3508 12.6m	off Brunswick, GA	P		20 propeller lacerations along right side of head and back with associated hemorrhaging
3/31/2007	mortality	Calf Male 7.7m	Outer Banks, NC		P	Edema associated with flipper and dorsal & ventral thoracic musculature; epidermal abrasion indicated entangling body and flipper wraps; no gear recovered
2/3/2008	serious injury	Adult Male #1980	Cape Hatteras, NC		P	Embedded wrap in rostrum; decline in health; no gear recovered
1/14/2009	serious injury	Juvenile sex unknown #3311	off Brunswick, GA		P	Partial disentanglement; embedded wrap in rostrum & lip removed; decline in health; gear analysis pending
1/27/2009	serious injury	Juvenile Male #3710 9.8m	Cape Lookout Shoals, NC		P	Live stranded w/ spinal scoliosis; euthanized; necropsy determined scoliosis due to entanglement and not congenital; entanglement wounds chronically infected; no gear recovered

a. The date sighted and location provided in the table are not necessarily when or where the serious injury or mortality occurred; rather, this information indicates when and where the whale was first reported beached, entangled, or injured.

b. Additional information on previous event that was not included in previous reports.

**Table 6. Confirmed human-caused mortality and serious injury records of Gulf of Maine humpback whales (*Megaptera novaeangliae*), 2005 - 2009.**

Date <sup>a</sup>	Report Type	Age, Sex, ID, Length	Location <sup>a</sup>	Assigned Cause: P=primary, S=secondary		Notes/Observations
				Ship strike	Entanglement/ Fishery interaction	
1/9/2006	mortality	Adult Female #8667 14.0m	off Charleston, SC	P		Extensive muscle hemorrhaging; rib fractures; dislocated flipper on left side of animal
3/17/2006	mortality	Juvenile Female 10.0m	Virginia Beach, VA	P		Crushed cranium and fractured mandible; hemorrhaging associated with fractures; ventral lacerations consistent with propeller wounds
3/25/2006	serious injury	Juvenile sex unknown 8m (est)	Flagler Beach, FL		P	Heavy cyamid load; emaciated; spinal deformity that may or may not have been caused by the entanglement; gear recovered included line and buoys and was identified as lobster pot gear
8/6/2006	serious injury	age & sex unknown	Georges Bank		P	Multiple constricting wraps around head; line cutting into upper lip; wraps around both flippers; no gear recovered
8/23/2006	serious injury	age & sex unknown 12m (est)	Great South Channel		P	Flukes necrotic and nearly severed as a result of entanglement; pale skin and emaciated; gear recovered included heavy line and wire trap
09/06/06 <sup>b</sup>	mortality	age & sex unknown	East of Cape Cod, MA		P	Whale entangled through mouth, continuing back to multiple wraps around peduncle; no gear recovered

a. The date sighted and location provided in the table are not necessarily when or where the serious injury or mortality occurred; rather, this information indicates when and where the whale was first reported beached, entangled, or injured.

b. Record was added after review of carcasses sighted on 08/20/06 and 09/06/06. Previous reports stated these were the same animal. Recent review could not confirm the resight; therefore they are now being treated as two separate events. There was inconclusive evidence with regard to the carcass on 08/20/06 to determine mortality caused by entanglement.

**Table 6. Confirmed human-caused mortality and serious injury records of Gulf of Maine humpback whales (*Megaptera novaeangliae*), 2005 - 2009.**

Date <sup>a</sup>	Report Type	Age, Sex, ID, Length	Location <sup>a</sup>	Assigned Cause: P=primary, S=secondary		Notes/Observations
				Ship strike	Entanglement/ Fishery interaction	
10/15/2006	mortality	Juvenile Female 10.1m	off Fenwick Island, DE	P	S	Large laceration, penetrating through the bone, across rostrum with accompanying fractures; no gear, but marks around right flipper consistent with entanglement; subdermal hemorrhaging and bone trauma at entanglement point
1/27/2007	serious injury	age & sex unknown	off Beach Haven, NJ		P	Body wrap likely to become constricting; random cyanid patches; thin body condition; probable flipper wraps; no gear recovered
5/10/2007	mortality	Adult Female 12.5m	off Wachapreague, VA	P		Cranium shattered, hemorrhaging on left lateral side midway between flippers & fluke
5/13/2007	mortality	Juvenile Male 9.3m	Rockport, MA	P		Areas of hemorrhaging indicate major blunt trauma to chest, neck, & head
6/23/2007	serious injury	age unknown Male "Egg Toss"	Wildcat Knoll		P	Body wrap of gear imbedded; no gear recovered
6/24/2007	mortality	Juvenile Female "Tofu" 9.9m	Stellwagen Bank	P		Subdermal hemorrhaging involving blubber, fascia, & muscle extending from/around the insertion of the right flipper ventrally to the axilla

a. The date sighted and location provided in the table are not necessarily when or where the serious injury or mortality occurred; rather, this information indicates when and where the whale was first reported beached, entangled, or injured.

b. Record was added after review of carcasses sighted on 08/20/06 and 09/06/06. Previous reports stated these were the same animal. Recent review could not confirm the resight; therefore they are now being treated as two separate events. There was inconclusive evidence with regard to the carcass on 08/20/06 to determine mortality caused by entanglement.

**Table 6, continued. Confirmed human-caused mortality and serious injury records of Gulf of Maine humpback whales (*Megaptera novaeangliae*), 2005 - 2009.**

Date <sup>a</sup>	Report Type	Age, Sex, ID, Length	Location <sup>a</sup>	Assigned Cause: P=primary, S=secondary		Notes/Observations
				Ship strike	Entanglement/ Fishery interaction	
12/21/2007	mortality	age unknown Male 9.4m	Ocean Sands, Corolla, NC		P	Documented wrapped in gear, gear removed without permission prior to necropsy; external lesions at flukes, flippers, mouth, dorsal fin, dorsal keel, & ventral pleats consistent with gillnet entanglement; emaciated; no gear recovered
1/6/2008	serious injury	age & sex unknown 10m (est)	off Cape Lookout, NC		P	Constricting line cutting into right flipper in several places; heavy cyamid load; emaciated; no gear recovered
5/30/2008	mortality	age & sex unknown	Georges Bank		P	Constricting body wraps, one wrap under lower jaw; open wound on right flipper; no gear recovered
6/9/2008	mortality	age & sex unknown	Georges Bank		P	Constricting body wrap; gear analysis pending
7/8/2008	serious injury	Adult Female "Estuary"	off Nauset, MA		P	Cuts were made, but no gear was removed; emaciated; moderate cyamid coverage; deep wounds in fluke blades from gear; hunched over position maintained after cuts were made to the gear; gear analysis pending
8/13/2008	serious injury	age & sex unknown 10m (est)	off NJ		P	Partial disentanglement; emaciated; lethargic; heavy cyamid load; gear analysis pending

a. The date sighted and location provided in the table are not necessarily when or where the serious injury or mortality occurred; rather, this information indicates when and where the whale was first reported beached, entangled, or injured.

b. Record was added after review of carcasses sighted on 08/20/06 and 09/06/06. Previous reports stated these were the same animal. Recent review could not confirm the resight; therefore they are now being treated as two separate events. There was inconclusive evidence with regard to the carcass on 08/20/06 to determine mortality caused by entanglement.

**Table 6, continued. Confirmed human-caused mortality and serious injury records of Gulf of Maine humpback whales (*Megaptera novaeangliae*), 2005 - 2009.**

Date <sup>a</sup>	Report Type	Age, Sex, ID, Length	Location <sup>a</sup>	Assigned Cause: P=primary, S=secondary		Notes/Observations
				Ship strike	Entanglement/ Fishery interaction	
8/21/2008	serious injury	age & sex unknown	off Chatham, MA		P	Evidence of decline in health; no gear recovered
11/4/2008	mortality	Juvenile Male 10.1m	Assateague Island, MD	P		Cranial fractures with associated hemorrhaging
2/8/2009	mortality	age unknown Male 9.7m	Cape Fear, NC		P	Evidence of entanglement at mouthline, peduncle, and flipper with associated hemorrhaging; emaciated; no gear present
2/16/2009	mortality	Juvenile Male 10.0m	Nags Head, NC		P	Evidence of entanglement involving anchoring or heavily weighted gear with associated hemorrhaging; no gear present
2/25/2009	serious injury	Juvenile sex unknown	off Sandy Hook, NJ		P	Disentangled from anchoring pot gear; maintained hunched body position post-disentanglement; gear analysis pending
6/9/2009	serious injury	age & sex unknown	Stellwagen Bank		P	Constricting body wrap just forward of the flippers; no gear recovered
12/9/2009	serious injury	age & sex unknown	off Jacksonville, FL		P	Disentangled; evidence of health decline; gear analysis pending

a. The date sighted and location provided in the table are not necessarily when or where the serious injury or mortality occurred; rather, this information indicates when and where the whale was first reported beached, entangled, or injured.

b. Record was added after review of carcasses sighted on 08/20/06 and 09/06/06. Previous reports stated these were the same animal. Recent review could not confirm the resight; therefore they are now being treated as two separate events. There was inconclusive evidence with regard to the carcass on 08/20/06 to determine mortality caused by entanglement.

**Table 7. Confirmed human-caused mortality and serious injury records of Western North Atlantic fin whales (*Balaenoptera physalus*), 2005 - 2009.**

Date <sup>a</sup>	Report Type	Age, Sex, Length	Location <sup>a</sup>	Assigned Cause: P=primary, S=secondary		Notes/Observations
				Ship strike	Entanglement/ Fishery interaction	
03/26/05	mortality	Adult <sup>b</sup> Female 16.3m	off Virginia Beach, VA	P		Extensive hemorrhaging and vertebral fractures
04/03/05	mortality	Adult <sup>b</sup> Female 18.8m	Southampton, NY	P		Subdermal hemorrhaging
08/23/05	mortality	Juvenile <sup>b</sup> Male 13.7m	Port Elizabeth, NJ	P		Fresh carcass on bow of ship; extensive hemorrhaging along right side
09/11/05	mortality	Juvenile <sup>b</sup> Male 11.0m	Bonne-Esperance, QC	P		Bottom jaw completely severed/broken
09/13/05 <sup>c</sup>	mortality	age & sex unknown	Blanc Sablon, NL	P		Lower jaw broken associated with massive areas of bruising
09/17/06	serious injury	age & sex unknown 18m (est)	off Mt. Desert Rock, ME		P	Pale skin overall; cyamid load at point of attachment; emaciated; no gear recovered
03/25/07	mortality	age unknown Female 18.0m	Norfolk, VA	P		Extensive fracturing of ribs, skull, and vertebrae w/ associated hemorrhage & edema
05/24/07	mortality	age unknown Male	Newark Bay, NJ	P		Hemorrhage (epaxial muscle, diaphragm, pleural lining) and multiple fractures of the ribs, vertebrae, & sternum and the trailing tissue of the animal was marked by propeller cuts
06/25/07	serious injury	age & sex unknown	Great South Channel		P	Wrap on tail assoc w/ cyamid load; flippers & mouth involved; extremely emaciated; lethargic; no gear recovered
08/11/07	mortality	age & sex unknown	Cabot Strait, NS		P	Constricting wrap around body, between the head and flippers; no gear recovered

- a. The date sighted and location provided in the table are not necessarily when or where the serious injury or mortality occurred; rather, this information indicates when and where the whale was first reported beached, entangled, or injured.
- b. The gender and length were misreported in the 2006 Stock Assessment Report. This table shows the correct values.
- c. Additional record which was not included in previous reports.

**Table 7, continued. Confirmed human-caused mortality and serious injury records of Western North Atlantic fin whales (*Balaenoptera physalus*), 2005 - 2009.**

Date <sup>a</sup>	Report Type	Age, Sex, Length	Location <sup>a</sup>	Assigned Cause: P=primary, S=secondary		Notes/Observations
				Ship strike	Entanglement/ Fishery interaction	
09/26/07	mortality	Juvenile Male 13m (est)	off Martha's Vineyard, MA		P	Freshly dead, scavenged carcass with gear present; evidence of multiple body wraps with associated hemorrhaging; no gear recovered
07/02/08	mortality	age unknown Male 14.8m	Barnegat Inlet, NJ	P		Vertebral fractures with associated hemorrhaging; hemorrhaging around ball joint of right flipper
10/01/09	mortality	age & sex unknown	Port Elizabeth, NJ	P		Fresh carcass with broken flipper, hematomas, and abrasions
<p>a. The date sighted and location provided in the table are not necessarily when or where the serious injury or mortality occurred; rather, this information indicates when and where the whale was first reported beached, entangled, or injured.</p> <p>b. The gender and length were misreported in the 2006 Stock Assessment Report. This table shows the correct values.</p> <p>c. Additional record which was not included in previous reports.</p>						

**Table 8. Confirmed human-caused mortality and serious injury records of Nova Scotian sei whales (*Balaenoptera borealis*), 2005 - 2009.**

Date <sup>a</sup>	Report Type	Age, Sex, Length	Location <sup>a</sup>	Assigned Cause: P=primary, S=secondary		Notes/Observations
				Ship strike	Entanglement/ Fishery interaction	
04/17/06	mortality	Juvenile Male 10.9m	Baltimore, MD	P		Brought in on bow of ship, freshly dead; massive hemorrhaging on right side; large blood clot behind head; several broken ribs
09/16/06	serious injury	age & sex unknown	Jeffreys Ledge		P	Constricting wrap cutting into skin; no gear recovered
05/30/07	mortality	Adult Female 14.4m	off Deer Island, MA	P		Broken left flipper, 8 vertebral processes, and 4 ribs; right flipper sheared off; lower jaw dislocated; hemorrhaging and/or edema associated with lower jaw and left flipper region
04/09/08	serious injury	age & sex unknown	Great South Channel		P	Constricting wrap on fluke; skin sloughing; no gear recovered
06/29/08	mortality	age & sex unknown 15m (est)	Slack's Cove, NB		P	Extensive entanglement evident; no gear present
05/19/09	mortality	Juvenile Male 12.7 m	off Rehobeth Beach, DE	P		Posterior portion of skull & right mandible fractured; hemorrhaging dorsal to left pectoral
<p>a. The date sighted and location provided in the table are not necessarily when or where the serious injury or mortality occurred; rather, this information indicates when and where the whale was first reported beached, entangled, or injured.</p>						

**Table 9. Confirmed human-caused mortality and serious injury records of Canadian East Coast minke whales (*Balaenoptera acutorostrata*), 2005 - 2009.**

Date <sup>a</sup>	Report Type	Age, Sex, Length	Location <sup>a</sup>	Assigned Cause: P=primary, S=secondary		Notes/Observations
				Ship strike	Entanglement/ Fish interaction	
05/23/05	mortality	Juvenile Male 5.9m	Port Elizabeth, NJ	P		Ribs shattered; liver ruptured; evidence of internal hemorrhaging
08/24/05 <sup>b</sup>	mortality	age & sex unknown	Bridgeport, New World Island, NL		P	Constricting gear through mouth with flipper and tail wraps; toad crab pots
09/22/06 <sup>b</sup>	mortality	age & sex unknown	Woods Cove, Great Northern Peninsula, NL		P	Anchored by tail in doorways of the gear; mackerel trap
07/16/07	serious injury	age & sex unknown 10m (est)	Trescott, ME		P	Wrapped in gear and anchored; no gear recovered
08/05/07	mortality	Juvenile Female 4.3m	Cape Cod Bay, MA		P	Chronic entanglement with severe emaciation and dehydration and loss of protein; line lacerated blubber layer across back and at flipper insertions; severe hemorrhage and necrosis of blubber at gear entanglement points; gear consists of 1 1/16" diameter floating rope
06/14/08	mortality	Juvenile Female 4.7m	Orleans, MA		P	Braided line impressions wrapped the body in 3 places and left a deep, hemorrhaged laceration across the rostrum and blowholes; hemorrhaged abrasions present on roof of mouth; wet, blood-filled lungs indicate drowning; no gear present
07/23/08	mortality	age & sex unknown 7m (est)	Kelligrews, NL		P	Constricting wraps of gear on caudal peduncle; 5/8" polypropylene rope
07/26/08	mortality	age & sex unknown	Conception Bay, NL		P	Constricting wraps of gear through mouth and around tail; blackback flounder nets
<p>a. The date sighted and location provided in the table are not necessarily when or where the serious injury or mortality occurred; rather, this information indicates when and where the whale was first reported beached, entangled, or injured.</p> <p>b. Additional record which was not included in previous reports.</p>						

**Table 9. Confirmed human-caused mortality and serious injury records of Canadian East Coast minke whales (*Balaenoptera acutorostrata*), 2005 - 2009.**

Date <sup>a</sup>	Report Type	Age, Sex, Length	Location <sup>a</sup>	Assigned Cause: P=primary, S=secondary		Notes/Observations
				Ship strike	Entanglement/ Fish interaction	
08/25/08	mortality	age & gender unknown 8m (est)	off Richibucto Cape, NB		P	Evidence of constricting body wraps; gear not recovered
05/20/09	mortality	Adult sex unknown 8m (est)	off Point Pleasant, NJ	P		Large hemorrhage at right pectoral
06/03/09	serious injury	age & sex unknown	off Tadoussac, Quebec		P	Free-swimming with tight rostrum wrap; no gear recovered
08/11/09	serious injury	age & sex unknown	off Plymouth, MA		P	Constricting wrap on rostrum & poor skin condition; no gear recovered
<p>a. The date sighted and location provided in the table are not necessarily when or where the serious injury or mortality occurred; rather, this information indicates when and where the whale was first reported beached, entangled, or injured.</p> <p>b. Additional record which was not included in previous reports.</p>						

**Table 10. Confirmed human-caused mortality and serious injury records of Northern Gulf of Mexico Bryde's whales (*Balaenoptera edeni*), 2005 - 2009.**

Date <sup>a</sup>	Report Type	Age, Sex, Length	Location <sup>a</sup>	Assigned Cause: P=primary, S=secondary		Notes/Observations
				Ship strike	Entanglement/ Fish interaction	
10/04/09	mortality	Adult Female 12.7m	Tampa, FL	P		Vertebral separation; lung damage; subdermal contusions
<p>a. The date sighted and location provided in the table are not necessarily when or where the serious injury or mortality occurred; rather, this information indicates when and where the whale was first reported beached, entangled, or injured.</p>						