



## **Serious Injury Determinations for Small Cetaceans off the Southeast U.S. Coast, 2015–2019**

Katherine Maze-Foley and Lance P. Garrison

NOAA National Marine Fisheries Service, Southeast Fisheries Science Center

75 Virginia Beach Dr., Miami, Florida 33149

**U.S. DEPARTMENT OF COMMERCE**

**National Oceanic and Atmospheric Administration**

**National Marine Fisheries Service**

**Southeast Fisheries Science Center**

July 2021

## Introduction and Methods

The Marine Mammal Protection Act (MMPA) requires NOAA's National Marine Fisheries Service (NMFS) to distinguish between injuries to marine mammals that are serious and not serious. During 2012 NMFS issued a policy directive and procedural directives to establish a process for distinguishing serious from non-serious injuries (NMFS 2012a, b). This document summarizes serious injury determinations for small cetaceans in southeast U.S. waters during 2015–2019.

Data from various sources were assessed to compile this report. These sources include the NOAA National Marine Mammal Health and Stranding Response Database, the Marine Mammal Authorization Program (fisherman self-reports), incidental take reports (unauthorized research gear takes), fishery observer records (excluding the pelagic longline fishery), and opportunistic at-sea observations by NOAA and non-NOAA researchers, marine patrol, and private citizens. Serious injury determinations were made in each case for which a small cetacean was released alive following a human interaction, such as an entanglement in fishing gear or marine debris or a hooking, or observed alive at-sea entangled in fishing gear or debris, hooked, or boat struck.

Serious injury determinations were made following NMFS 2012 policy and guidelines (NMFS 2012a, b). Initial determinations were made for each case by two marine mammal researchers in the Southeast Fisheries Science Center. All differences were discussed to obtain agreement. Determinations were reviewed by NMFS Determination Staff Working Group members from the Northeast Fisheries Science Center and NMFS Southeast Regional Office, as well as by Atlantic Scientific Review Group members.

In some cases, NOAA, stranding network partners, or private citizens disentangled or dehooked an animal post-interaction (i.e., at some time after the initial entanglement or hooking). In cases where there was a mitigation effort, a post-mitigation serious injury determination was made in addition to the initial serious injury determination. Both the initial and post-mitigation serious injury determinations are presented in Table 1. Post-mitigation determinations do not apply to situations where commercial fishers or fisheries researchers released animals from gear at the time of the interaction. For management purposes (i.e., classifying fisheries on the Marine Mammal Protection Act's List of Fisheries [LOF] and take reduction planning), the pre-mitigation determination is used. For tallying the number of serious injuries, post-mitigation determinations are used (in cases for which there was mitigation) for comparing serious injuries to Potential Biological Removal (PBR) in the Stock Assessment Reports (SARs) and are presented in the results section. The NMFS 2012b procedural directive states: "For cases where the animal is determined to be seriously injured and NOAA and/or an authorized partner successfully disentangles or dehooks the animal and the animal is determined to have no or non-serious injuries when released, it will be recorded as a serious injury when classifying fisheries on the LOF and informing management (e.g., take reduction planning), but will be recorded as a non-serious injury when compared to PBR in the SARs."

Mortality and serious injury resulting from the U.S. Atlantic pelagic longline fishery are detailed annually in a separate report (e.g., Garrison and Stokes 2017) and are not included in this document.

Type of fishery is given if information was available to attribute observed or collected gear to a specific fishery or type of gear. In some cases, gear was collected from stranded animals and sent to the NMFS Pascagoula Gear Repository. If gear experts could identify gear to a specific fishery, or identify gear as recreational versus commercial, the specific information is given in

Table 1. If gear could not be identified as belonging to a specific fishery, a general category, such as trap/pot gear, may be listed. Information on the fishery is given in as much detail as was known at the time of report preparation. As gear continues to be analyzed by the Pascagoula Gear Repository, information on fishery/gear is subject to change in future SARs.

The assignment of animals from the Western North Atlantic and Gulf of Mexico to a particular stock is impossible in some seasons and regions due to stock overlap (e.g., coastal waters of North Carolina and Virginia and estuarine waters near Beaufort Inlet). Therefore, some of the animals in Table 1 were assigned to more than one possible stock of origin (see Maze-Foley *et al.* 2019 for details on how animals are assigned to stock).

## Results

One hundred seventy-five small cetacean events from southeast U.S. waters during 2015–2019 for which a determination was made of serious versus non-serious injury are included in Table 1. All events involved common bottlenose dolphins (*Tursiops truncatus*) with the exception of one, which involved a single rough-toothed dolphin (*Steno bredanensis*). All common bottlenose dolphin events included a single dolphin with the exception of one event which included four dolphins. The Gulf of Mexico rough-toothed dolphin was considered seriously injured. In total, 87 common bottlenose dolphins were considered seriously injured; 44 common bottlenose dolphins were considered not seriously injured; and for 46 common bottlenose dolphins (43 events), it could not be determined if the injury was serious or not.

The Western North Atlantic common bottlenose dolphin stocks for which cases were evaluated for serious injuries included the following: Northern Migratory Coastal Stock; Southern Migratory Coastal Stock; South Carolina/Georgia Coastal Stock; Northern Florida Coastal Stock; Northern North Carolina Estuarine System (NNCES) Stock; Southern North Carolina Estuarine System (SNCES) Stock; Northern South Carolina Estuarine System (NSCES) Stock; Charleston Estuarine System (CES) Stock; Northern Georgia/Southern South Carolina Estuarine System (NGSSCES) Stock; Southern Georgia Estuarine System (SGES) Stock; Jacksonville Estuarine System (JES) Stock; Indian River Lagoon Estuarine System (IRLES) Stock; and Florida Bay Stock.

The Gulf of Mexico common bottlenose dolphin stocks for which cases were evaluated for serious injuries included the following: Laguna Madre Stock; Copano Bay/Aransas Bay/San Antonio Bay/Redfish Bay/Espiritu Santo Bay Stock; Matagorda Bay/Tres Palacios Bay/Lavaca Bay Stock; Galveston Bay/East Bay/Trinity Bay Stock; Calcasieu Lake Stock; Barataria Bay Estuarine System Stock; Mississippi Sound/Lake Borgne/Bay Boudreau Stock; Mobile Bay/Bonsecour Bay Stock; Perdido Bay Stock; Choctawhatchee Bay Stock; St. Andrew Bay Stock; Apalachee Bay Stock; Waccasassa Bay/Withlacoochee Bay/Crystal Bay Stock; St. Joseph Sound/Clearwater Harbor Stock; Tampa Bay Stock; Sarasota Bay/Little Sarasota Bay Stock; Pine Island Sound/Charlotte Harbor/Gasparilla Sound/Lemon Bay Stock; Estero Bay Stock; Chokoloskee Bay/Ten Thousand Islands/Gullivan Bay Stock; Florida Keys Stock; Northern Coastal Stock; Eastern Coastal Stock; and Continental Shelf Stock.

In addition, there was one case from the Puerto Rico/U.S. Virgin Islands Stock in the Caribbean Sea.

The largest number of records was from at-sea observations (n=82), and the majority of observations consisted of animals entangled in and sometimes trailing hook and line fishing gear, unidentified line/rope/gear, and trap/pot gear. There were also at-sea records of animals entangled in gillnet gear, debris, packing straps or bands, nets, buoys, a beach seine, and a sport ring

(Aerobie-type ring). Several animals were observed to have propeller wounds from vessel strikes. The NOAA National Marine Mammal Health and Stranding Response Database comprised the second highest number of records (n=73 stranding records excluding incidental takes). The majority of stranding records were cases of bottlenose dolphins entangled in commercial blue crab trap/pot gear or unidentified trap/pot gear and hook and line fishing gear. Entanglements in unidentified rope/line/gear, commercial stone crab trap/pot gear, commercial spiny lobster trap/pot gear, research trap/pot gear, marine debris, a stop net, a commercial gillnet, an unidentified buoy, and a Hawaiian sling/spear, as well as a boat collision, oil boom entrapment and construction boom entrapment, comprised the remaining stranding records. The third most frequent number of records were of incidental takes involving research fishing gear, the majority of which was gillnet gear, but there were also records of vertical longline gear, trawl gear, hook and line gear, and seine gear (unauthorized research gear takes), and one vessel strike by a research vessel (n=14 incidental take records, 10 of which were also included within the stranding data). In addition, there were observer program records (n=4) from the Gulf of Mexico gillnet fishery, the mid-Atlantic gillnet fishery, and the snapper-grouper and other reef fish bottom longline fishery. Finally, there were two records from the Marine Mammal Authorization Program (fisherman self-reports).

## Acknowledgments

Many thanks to the various people who collected the data included in this report. Elizabeth Stratton, Blair Mase, Mendy Garron, and Ainsley Smith provided assistance with stranding records and opportunistic at-sea observations, and we thank them and all members of the Southeast and Northeast U.S. Stranding Networks. Many stranding network members also answered follow-up questions and provided data or photos to assist with determinations. Elizabeth Scott-Denton provided observer reports for the shrimp trawl fishery and the snapper-grouper and other reef fish bottom longline/hook-and-line fishery. John Carlson and Alyssa Mathers provided information and observer reports for Southeast gillnet fisheries and the shark bottom longline fishery. Wayne Hoggard provided information regarding gear analysis, and we are grateful to him and the members of the Pascagoula Gear Repository. We are grateful to Stacey Horstman (SERO), Jessica Powell (SERO), Frederick Wenzel (NEFSC), Elizabeth Josephson (NEFSC), and Atlantic Scientific Review Group members, Geneviève Nesslage and Randall Wells, for reviewing the serious injury determinations contained in this report. This report was written in part under the auspices of the Cooperative Institute for Marine and Atmospheric Studies (CIMAS), a Cooperative Institute of the University of Miami and the National Oceanic and Atmospheric Administration, cooperative agreement #NA15OAR4320064.

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Tables 1a–1c. Serious injury (SI) determinations for cetaceans taken in SE U.S. waters during 2015–2019 using criteria in “Process for distinguishing serious from non-serious injury of marine mammals: Process for injury determinations” (NMFS 2012b; see Appendix I for details of injury categories and criteria). Table 1a contains cases from the Gulf of Mexico, Table 1b contains cases from the Atlantic Ocean, and Table 1c contains cases from the Caribbean Sea. STR = stranding from NOAA National Marine Mammal Health and Stranding Response Database; MMAP = Marine Mammal Authorization Program; OBS = observer record; At-Sea = Opportunistic at-sea sightings; ITR = incidental take report, unauthorized research gear take; Tt = *Tursiops truncatus*; Sb = *Steno bredanensis*; ATL = Atlantic Ocean; CAR = Caribbean Sea; GOM = Gulf of Mexico; Copano Bay,... = Copano Bay/Aransas Bay/San Antonio Bay/Redfish Bay/Espiritu Santo Bay; IRLES = Indian River Lagoon Estuarine System; JES = Jacksonville Estuarine System; NNES = Northern North Carolina Estuarine System; NGSSCES = Northern Georgia/Southern South Carolina Estuarine System; NM Coastal = Northern Migratory Coastal; NSCES = Northern South Carolina Estuarine System; PIS = Pine Island Sound/Charlotte Harbor/Gasparilla Sound/Lemon Bay; SM Coastal = Southern Migratory Coastal; SNCES = Southern North Carolina Estuarine System; CBD = cannot be determined. SI Averted = a SI was averted due to disentanglement or other mitigation efforts, such that the initial SI determination was “Serious” but the post-mitigation SI determination was “Not serious”.

**Table 1a. Gulf of Mexico**

Source of Data/ Fishery Type	Animal ID	Species	Area (ATL, GOM, CAR)/ Stock Name (if known)	Date of Take or Report	Recorded Animal Condition	Initial SI Determination	NMFS 2012 SI Policy Criteria (for Small Cetaceans)	Injury Determination Criteria/Comments	Post-Mitigation SI Determination (N/A is noted for cases without mitigation)	NMFS 2012 SI Policy Criteria (for Small Cetaceans)	SI Averted	Post-Mitigation Injury Determination Criteria/Comments
At-Sea	Row 109	Tt	GOM/Apalachee Bay Stock	6-Sep-15	Alive, unknown	CBD		a citizen reported a dolphin entangled in crab trap/pot gear; responders were not able to locate the animal; little info available	N/A		N/A	
<b>Apalachee Bay Stock summary (n=1 case): Total # of Serious injuries=0; # Not serious=0; # CBD=1.</b>											<b>SI Averted Tally: 0</b>	
At-Sea	Row 94	Tt	GOM/Barataria Bay Estuarine System Stock	10-Apr-15	Alive	Serious	S8a	NOAA researchers spotted an animal with a constricting white strap around its head during a dolphin survey	N/A		N/A	
At-Sea	Row 181 [Y49]	Tt	GOM/Barataria Bay Estuarine System Stock	7-Jun-19	Alive	Serious	S6	researchers documented an animal with an entanglement of monofilament line (rat's nest) near the tip of the dorsal fin and trailing off/behind the dorsal fin	N/A		N/A	

STR; live-capture animal; hook and line gear	SER17-00774 [MCT-20170919-LA001]; also YV7 (SER10-0866)	Tt	GOM/Barataria Bay Estuarine System Stock	19-Sep-17		Serious	S6, S8a	female dolphin was first observed with entanglement during photo ID surveys on 13-Nov-2010 and has been observed several other occasions since then; members of the public have provided cell phone images and observations of the entanglement to the stranding network over the years as well; animal was sighted again in September 2017 while conducting health assessments in Barataria Bay; examination later revealed the animal had monofilament line wrapped around her which had cut into the animal as she grew; the gear had a knot in it and was wrapped around her completely just behind the blowhole and in front of pec fins	Not serious	S7b	Yes	during health assessments the capture crew observed YV7 with three other animals (males) and captured the group to assess YV7; during veterinarian assessment, a portable ultrasound was utilized to examine the area of the entanglement and scar tissue and observed monofilament which had cut into the animal as she grew; the gear had a knot in it and was wrapped around her completely just behind the blowhole and in front of pec fins; the gear was removed and retained; animal was captured again during 2018 and sighted during 2019 during a Reproductive Outcomes survey on 9-Jun-2019
<b>Barataria Bay Estuarine System Stock summary (n=3 cases): Total # of Serious injuries=2; # Not serious=1; # CBD=0.</b>											<b>SI Averted Tally: 1</b>	
At-Sea	Row 92	Tt	GOM/Calcasieu Lake Stock	24-Mar-15	Alive	Serious	S6	animal was sighted entangled in gear resembling green pool noodle used in gar fishing with black line hanging from it	N/A		N/A	
<b>Calcasieu Lake Stock summary (n=1 case): Total # of Serious injuries=1; # Not serious=0; # CBD=0.</b>											<b>SI Averted Tally: 0</b>	
STR; commercial blue crab trap/pot gear	SER19-00193[F MMSN1914]	Tt	GOM/Caloosahatchee River Stock	10-Feb-19	Alive, anchored	Serious	S7a, S8a	a dolphin was reported entangled; responders found the animal entangled around the peduncle and anchored in place by commercial blue crab trap/pot gear	Not serious	S7b	Yes	Responders remotely disentangled the dolphin; the animal was brought to the side of the vessel and the gear was removed; dolphin was released gear-free; animal was observed on 26-Mar-2019 successfully foraging off a seawall and appeared in good body condition
<b>Caloosahatchee River Stock summary (n=1 case): # Serious injuries=0; # Not serious=1; # CBD=0</b>											<b>SI Averted Tally: 1</b>	

STR; hook and line gear	SER15-00680	Tt	GOM/Choctawhatchee Bay Stock	16-Oct-15	Alive	Serious	S6, S8a	animal was entangled in red monofilament fishing line in its mouth and around the mandible; considered life threatening and plans were made to intervene, but no sightings were reported after 29-Nov-2015 and NOAA called off efforts b/c animal could not be found	N/A		N/A	
Choctawhatchee Bay Stock summary (n=1 case): # Serious injuries=1; # Not serious=0; # CBD=0											SI Averted Tally: 0	
At-Sea	Row 158 [Jing Jing]	Tt	GOM/Chokoloskee Bay/Ten Thousand Islands/ Gullivan Bay Stock	25-Mar-18	Alive	Not serious	S13a, S7b	dolphin was documented by ecotour operator and local researchers as having an entanglement involving a lure and line wrapped around the dorsal fin, with line extending back to the flukes and taut, compromising the movement of the animal; shortly after, it was reported that the line between the dorsal fin and flukes broke and only the dorsal entanglement remained; as of late February 2019, the dolphin was free of gear; the uppermost portion of the dorsal fin, about one-third of the fin, has been severed off over time by the line	N/A		N/A	
At-Sea	Row 172 [FMMS N1903, Ariel]	Tt	GOM/Chokoloskee Bay/Ten Thousand Islands/ Gullivan Bay Stock	6-Jan-19	Alive	Not serious	S13a	researchers documented an animal with monofilament wrapped around its dorsal fin, cutting into the anterior/leading edge of the fin, and trailing behind the animal; animal was later documented gear-free with no intervention	N/A		N/A	
At-Sea	Row 173	Tt	GOM/Chokoloskee Bay/Ten Thousand Islands/ Gullivan Bay Stock	15-Feb-19	Alive	Serious	S8a, S13a	public and researchers documented an animal with biofouled monofilament wrapped around its dorsal fin, cutting through and disfiguring the fin, with gear trailing behind the dorsal fin	N/A		N/A	



Chokoloskee Bay/Ten Thousand Islands/Gullivan Bay Stock summary (n=3 cases): # Serious injuries=1; # Not serious=2; # CBD=0											SI Averted Tally: 0	
ITR; STR; hook and line research gear	SER17-00786 (recently entered in STR data)	Tt	GOM/Continental Shelf Stock	2-Aug-17	Alive	Serious	S5a	bottlenose dolphin ingested a red snapper as it was being reeled to the surface; the dolphin was hooked in the bottom right of the mouth near the gape; the hook was a standard 13/0 commercial steel hook; for ~15 minutes after the dolphin was hooked, the captain gently pulled on the line to try and coax the animal closer to the vessel; when the dolphin was by the vessel the line was severed at the hook, releasing the dolphin with the hook still in its mouth	N/A		N/A	
ITR; research vertical longline		Tt	GOM/Continental Shelf Stock	5-Aug-18	Alive, injured	Serious	S6, S8a	researchers reported a dolphin entangled around its flukes in vertical longline gear; researchers backed down to the animal to get it as close to the vessel as possible, however the animal was thrashing too much to risk someone getting hooked and attached to it, so they cut the mainline; animal swam off and dove slowly entangled with ~7.3 m of total gear, including ~1 m of mainline (400 lb test monofilament) and gangions with hooks (~6.3 m, 100-400 lb test) entangled around its flukes	N/A		N/A	

OBS; commercial snapper- grouper and other reef fish bottom longline fishery		Tt	GOM/Continental Shelf Stock	7-Mar-18	Alive	Serious	S6	dolphin became entangled with bottom longline gear wrapped around its flukes and also wrapped around the body just anterior to the dorsal fin and pectoral flippers; the crew was able to reel the dolphin to the side of the boat, and as they were removing gear from the dolphin it broke the mainline and swam away with gear still attached including ~25 hooks, a weight, and ~30 feet of line still attached (totaling ~5 lbs); the observer noticed abrasions from the gear near the flukes	N/A		N/A	
Continental Shelf Stock summary (n=3 cases): # Serious injuries=3; # Not serious=0; # CBD=0											SI Averted Tally: 0	
At-Sea	Row 137	Tt	GOM/ Copano Bay,...	20-Jun-17	Alive, unknown	Serious	S6	citizen documented an animal carrying an orange buoy on its left side; nature of entanglement was unclear due to quality of the photos	N/A		N/A	

ITR & STR; research gillnet (routine fishery-independent sampling program)	SER17-00656 [PA1126]	Tt	GOM/Copano Bay, ... Stock	19-Apr-17	Alive	Serious	S7b	research gillnet was left to soak overnight, and immediately upon arrival at the net the following morning, biologists discovered there was a dolphin entangled in the net (5-inch mesh portion); it was surfacing while in the net and wasn't fighting the net (i.e., thrashing); the dorsal fin was not completely surfacing; entire body was also wrapped in the net (~1 wrap), including the left pectoral flipper; 2 biologists spent ~5 minutes to disentangle the animal; from their boat, they had to both cut some line and unravel the animal; the fastest way for them to get the dolphin out of the net was to first cut the entanglement away from the fluke; then they were more freely able to disentangle it; when the biologists first arrived, the dolphin was not thrashing; during disentanglement, it did thrash a bit - thrashed about 2 times for 20 sec each; biologist indicated the dolphin really didn't like when they were first working on it, but when they got to the head and turned it laterally, it calmed down; when they were able to free it, it swam off vigorously; there were some residual markings on the animal but in no place did it appear to be overly constrictive or would restrict blood flow; the wrapping around the pectoral flipper was superficial; there was slight bleeding along the edge of the dorsal fin but no deep gashes or lacerations; constriction marks around fluke but not deep wounds; biologists did not see it surface to breathe and looked for about 3-5 minutes post release	N/A		N/A	
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ITR; STR; research gillnet gear	SER19- 01183 [PO546 B]	Tt	GOM/Copano Bay, ... Stock	18-Sep- 19	Alive	Serious	S7b	a dolphin became entangled in a research gillnet arounds its flukes; the entanglement wraps consisted of both the floatline, leadline and the entire mesh in between, and all this gear was wrapped around 3-4 times; it is not certain how long the animal was entangled due to the net soaking overnight unattended; researchers cut through 3 lines to remove the animal; was initially entangled in the anchor line first then wrapped into other lines; animal wasn't as active at first but became more active as it noticed the researchers' presence; as the researchers pulled the net up (and hence flukes), it would get more lively, then they would take a break and it would bring its flukes back down and calm down; animal had small (1-2 inch by .25 inch) shallow wound on base of tail; immediately swam away slowly; appeared fatigued	N/A		N/A	
Copano Bay, ... Stock summary (n=3 cases): # Serious injuries=3; # Not serious=0; # CBD=0											SI Averted Tally: 0	
At-Sea	Row 91	Tt	GOM/Eastern Coastal Stock	28-Jan- 15	Alive	CBD		members of the public encircled what they believed to be a "sick" dolphin with a fishing net and separated it from 2 other dolphins; the dolphin was described as breathing frequently and listing to the side prior to its capture; the net was kept loose to see if the dolphin would breathe on its own; the animal was within the net for an estimated 5 minutes; when the net was opened, the animal "swam out like a shot" and re-joined the other 2 dolphins and they quickly lost sight of the animals	N/A		N/A	

At-Sea	Row 95	Tt	GOM/Eastern Coastal Stock	22-Apr-15	Alive	Serious	S6	calf with both fluke tips entangled, the left fluke tip nearly severed; gear trailing behind the animal; sighted with adult (presumed mother) who was actively depredating fishing lines	N/A		N/A	
At-Sea	Row 97	Tt	GOM/Eastern Coastal Stock	2-May-15	Alive	Serious	S6	animal sighted with mesh net around the face (mostly the rostrum); able to surface and breathe without hindrance	N/A		N/A	
At-Sea	Row 100	Tt	GOM/Eastern Coastal Stock	31-May-15	Alive	CBD		citizen reported adult (mother of mom/calf pair) with a white body wrap of rope or wire; little info available	N/A		N/A	
At-Sea	Row 115	Tt	GOM/Eastern Coastal Stock	25-Nov-15	Alive	CBD		citizen reported animal as wrapped behind dorsal fin with thick white fishing line; little info available	N/A		N/A	
At-Sea	Row 146	Tt	GOM/Eastern Coastal Stock	17-Oct-17	Alive, unknown	Serious	S6	citizen reported an animal entangled in trap/pot gear; a buoy was trailing behind the dolphin and was only visible after its blow	N/A		N/A	
At-Sea	Row 147	Tt	GOM/ Eastern Coastal Stock	19-Oct-17	Alive, unknown	Serious	S6	citizen reported an animal entangled in a cast net over its head; further inquiry by FWC officer of people on the pier revealed the cast net was in the animal's mouth; the animal was able to breathe and swim normally; the animal was not resighted	N/A		N/A	
At-Sea	Row 159	Tt	GOM/ Eastern Coastal Stock	27-Mar-18	Alive, unknown	CBD		citizen reported a dolphin to be anchored/tethered near a fishing pier; no further details available	N/A		N/A	
At-Sea	Row 178	Tt	GOM/Eastern Coastal Stock	16-Apr-19	Alive	Serious	S6	citizen reported a dolphin bobbing up and down near a red/white crab trap buoy for ~20 minutes, and then swimming south dragging the buoy behind it; stranding network and law enforcement members searched for the animal but were unable to locate it	N/A		N/A	

At-Sea	Row 186	Tt	GOM/Eastern Coastal Stock	22-Jul-19	Alive, reported as lethargic	Serious	S6	citizen documented an animal with what appears to be an entanglement around the right pectoral fin and trailing several feet along the body; poor photo quality prevents discerning details	N/A		N/A	
At-Sea	Row 193	Tt	GOM/Eastern Coastal Stock	22-Oct-19	Alive	Serious	S5a	citizen reported an animal with line and hook in its mouth; later confirmed by stranding network but no photos were obtained	N/A		N/A	
OBS; sink gillnet (targeting Spanish mackerel)		Tt	GOM/Eastern Coastal Stock	15-Mar-15	Alive	Serious	S7b	animal entangled in a commercial gillnet; crew were able to lift up the net and "roll" the dolphin out, however the dolphin swam back into the net; the net was lifted again and the dolphin was rolled out a second time and it swam away underneath the net	N/A		N/A	
STR; hook and line gear and plastic debris	SER15-00563 [Parcel]	Tt	GOM/Eastern Coastal Stock	6-Oct-15	Alive	Serious	S6	calf was entangled in a plastic strap around its body, anterior to the dorsal fin, and also multiple types of fishing line, a swivel, and crimp; gear was trailing ~5 feet behind the animal as well	Not serious	S7b	Yes	on 15-Oct-2015 a disentanglement effort was conducted with multiple agencies, and the calf was successfully disentangled; a roto tag was applied, and the animal immediately released; on 20-Oct-2015 the mother and calf were sighted behaving normally and in good body condition; animal sighted on 13-Jan-2017

STR; commercial stone crab trap/pot gear	SER18- 00698 [CMA- Tt-1824]	Tt	GOM/Eastern Coastal Stock	17-Nov- 18	Alive	Serious	S7a	citizen found a bottlenose dolphin calf (estimated to be 3– 4 feet in length) entangled in crab trap/pot gear; a second, free swimming animal, estimated to be 7–8 feet in length, was observed within 50 feet of the tethered animal; citizen reported the animal was tethered in place, surfacing continuously in the same location	CBD	S7b	No	citizen and his passengers used a boat hook to grab the buoy line, pulling the animal to the port side of the vessel; they grabbed the flukes of the animal, fully submerging the body cranial of the dorsal fin; calf was thrashing violently as citizens pulled it to the vessel and handled it; citizen stated the animal was wrapped in ½ inch thick black line wrapped 2 full times around the caudal peduncle; no abrasions or discoloration were observed on the peduncle by the citizen; the disentanglement took only ~2 minutes; after the line was cut, the calf took several breaths and then swam away from the vessel at what was described as a "moderate speed"; the second animal swam in the same direction; however, it was not observed closely associated with the calf
Eastern Coastal Stock summary (n=14 cases): # Serious injuries=8; # Not serious=1; # CBD=5											SI Averted Tally: 1	
At-Sea	Row 153 [CW33]	Tt	GOM/Eastern Coastal Stock or Tampa Bay Stock	6-Feb-18	Alive	Serious	S6, S8a	local researchers documented a dolphin with monofilament line wrapped around the right and left flukes and trailing off the animal in a "Y" shape; gear trailed off for many feet behind the animal; the line is cutting into the leading edge of the flukes	N/A		N/A	
Eastern Coastal Stock or Tampa Bay Stock summary (n=1 case): # Serious injuries=1; # Not serious=0; # CBD=0											SI Averted Tally: 0	
At-Sea	Row 160	Tt	GOM/Estero Bay Stock	26-Mar- 18	Alive	Serious	S5a	ecotour operator documented a dolphin with a hook in its mouth with line connecting to and entangling the left pectoral flipper; the line is biofouled	N/A		N/A	

Estero Bay Stock summary (n=1 case): # Serious injuries=1; # Not serious=0; # CBD=0											SI Averted Tally: 0	
STR; commercial spiny lobster trap/pot gear	SER19- 01277 [DPMM R-1908- Tt]	Tt	GOM/Florida Keys Stock	30-Nov- 19	Alive, anchored	Serious	S7a	tour operator sighted a mom/calf pair; calf was entangled in lobster trap/pot gear and was struggling to reach the surface; mom was pushing the animal to the surface	Serious	S6	No	tour operator approached the pair and crew jumped into the water; the animals became agitated and began swimming rapidly and were very vocal; the crew then dove down to the pot and cut line as high up as they could trying not cause more stress to the calf; calf swam away with what appeared to be three wraps at the base of peduncle and 5-6 feet of trailing line
Florida Keys Stock summary (n=1 case): # Serious injuries=1; # Not serious=0; # CBD=0											SI Averted Tally: 0	
At-Sea	Row 103	Tt	GOM/Galveston Bay/East Bay/Trinity Bay Stock	23-Jun- 15	Alive	CBD		animal sighted with plastic debris anterior to the dorsal fin, and it appeared to have a dorsal fin entanglement of unknown nature as well; it is not certain if plastic material was actually wrapped completely around the animal's body or just draped to give it a wrapped look; animal was not resighted	N/A		N/A	
At-Sea	Row 110	Tt	GOM/Galveston Bay/East Bay/Trinity Bay Stock	28-Aug- 15	Alive, injured	Not serious	S13a	animal initially sighted in August 2015 with a "rat's nest" of fishing line and biofouling cutting through its dorsal fin; later sighted with line trailing behind as well; at a subsequent sighting in September 2015 the fin was cut halfway through and was greatly disfigured; resighted in July 2016 without the upper portion of its dorsal fin	N/A		N/A	



At-Sea	Row 116	Tt	GOM/Galveston Bay/East Bay/Trinity Bay Stock	10-Jan-16	Alive, unknown	Serious	S6, S8a, S13a	local researchers documented an animal with a constricting entanglement cutting into dorsal fin, disfiguring dorsal fin, and trailing off the animal	N/A		N/A	
At-Sea	Row 184	Tt	GOM/Galveston Bay/East Bay/Trinity Bay Stock	3-Jun-19	Alive	Serious	S8a , S13a	researchers documented an animal with an entanglement of monofilament line wrapping tightly around, cutting through, and disfiguring the dorsal fin so that it twists and turns in multiple directions; animal has not been resighted	N/A		N/A	
STR; rope/line	SER17-00500 [GA2134]	Tt	GOM/ Galveston Bay/East Bay/Trinity Bay Stock	30-Jun-17	Alive	Serious	S6	dolphin was observed by TMMSN volunteer while conducting a Seacamp vessel trip; she observed that the dorsal fin was injured and cut and had what appeared to be a blue rope or line (approximately 1cm diameter and at least several feet long) entangled around the dorsal fin and trailing behind the animal; follow-up surveys were conducted for several weeks in an attempt to locate the animal but it was not resighted	N/A		N/A	
Galveston Bay/East Bay/Trinity Bay Stock summary (n=5 cases): # Serious injuries=3; # Not serious=1; # CBD=1											SI Averted Tally: 0	
At-Sea	Row 99	Tt	GOM/Laguna Madre Stock	1-Jun-15	Alive	Serious	S6	animal entangled around its flukes and tail stock with what was thought to be a rope with heavy biofouling	N/A		N/A	

At-Sea	Row 120 [Lil Pip]	Tt	GOM/Laguna Madre Stock	May-16	Alive, unknown	Not serious	S7b	local ecotour operator documented a small calf, likely young of the year, as entangled in monofilament line wrapped tightly around its fluke blade and cutting through the fluke blade; gear is also trailing behind the animal; possibly hooked in fluke as well; additional sightings of the animal still entangled were documented in June and November 2017; later follow-up sightings from 2019 showed the animal to be gear-free, and hence this determination has been updated to Not serious (in prior reports it was listed as Serious)	N/A		N/A	
At-Sea	Row 162	Tt	GOM/Laguna Madre Stock	9-Apr-18	Alive, injured	Serious	S6, S9	ecotour operator documented an animal with deep cuts, similar to propeller wounds, and a fluke entanglement; the cuts range along the body from just behind the blowhole to just anterior of the flukes; the entanglement appears to be completely wrapped around the flukes and bulky in nature; the material/nature of the wrap could not be identified	N/A		N/A	
At-Sea	Row 194	Tt	GOM/Laguna Madre Stock	18-Nov-19	Alive	Serious	S6, S8a	ecotour operator documented an animal with an entanglement around its flukes; entanglement is heavily biofouled and trailing behind the flukes; appears line is cutting deeply into the leading edge of flukes	N/A		N/A	

ITR; research gillnet (routine fishery- independen t sampling program)		Tt	GOM/Laguna Madre Stock	9-Nov- 16	Alive	Not serious	S7b	a dolphin appeared to be entangled in the 6-inch mesh portion of a research gillnet when the crew arrived to retrieve the gear and catch; the crew immediately went over to the area in response to seeing the dolphin at the net, and one of the technicians grabbed the net; immediately upon the net being handled, the dolphin swam away and did not appear to be tangled or harmed in any way	N/A		N/A	
ITR; STR; research gillnet gear	SER19- 01205 [CC369]	Tt	GOM/Laguna Madre Stock	2-Oct-19	Alive	Serious	S7b	biologists noticed one of the largest floats out of place along the research gillnet as they patrolled the net; when they approached they could hear and see a dolphin calmly resting at the surface, not thrashing; it appeared to hit the mono mesh and turned and became entangled by its flukes; dolphin was wrapped no more than twice; there were three biologists on boat; they went directly to the animal and all assumed roles; they gently held tail up and allowed it to rest; they cut all gear off the fluke (line was cut in four places in floatline and leadline; would allow the dolphin to come up and breathe, cut gear away, allow it to rest, then cut some more; dolphin became active when they would lift fluke up; dolphin would thrash a little bit at times, but not for very long, just a couple of thrashes when lifted tail up higher; when biologists thought the dolphin was getting agitated, they would put tail back in the water, then let it calm, and start again; when free of the gear, the dolphin did not shoot away immediately but breathed by the boat; it swam away and came up and breathed again; dolphin left pretty quickly and was observed probably less than 5 minutes; animal reported to have no noticeable injuries	N/A		N/A	

STR; hook and line gear	SER16-00618 [PI276; Tango]	Tt	GOM/Laguna Madre Stock	11-Jul-16	Alive	Serious	S6, S8a	animal was wrapped many times with constricting gear around the dorsal fin, with gear trailing and connecting to the peduncle and flukes, with additional gear trailing behind the flukes; gear consisted of 2 lbs of mixed gear including 7 artificial lures, 20 lead sinkers, ~30 hooks, and a mass of monofilament and HDPE line; gear had cut through the skin and penetrated into underlying tissue of the dorsal fin and peduncle; trailing edge of flukes had lost some tissue as well	CBD	S7b	No	animal was monitored and attempts were made to remotely disentangle it; a very small amount of gear was removed on 24-Jul-2016; dolphin was successfully captured, disentangled, given a health exam and released on 15-Aug-2016; no resightings of this animal have occurred following the release date
Laguna Madre Stock summary (n=7 cases): # Serious injuries=4; # Not serious=2; # CBD=1											SI Averted Tally: 0	
ITR & STR; research gillnet (routine fishery-independent sampling program)	SER15-00627	Tt	GOM/Matagorda Bay/Tres Palacios Bay/Lavaca Bay Stock	21-Oct-15	Alive	Serious	S7b	a dolphin became entangled in a research gillnet at its fluke insertion; the entanglement wraps consisted of both the top and bottom lines and the entire mesh in between, and all this gear was wrapped around a couple times; it is not certain how long the animal was entangled due to the net soaking overnight unattended; it was disentangled ~7-8 minutes after researchers arrived and noticed thrashing; the animal was freed from the net and swam off vigorously with what appeared to be superficial bleeding; no attempt was made to monitor the animal following release as biologists were busy picking up their remaining gear	N/A		N/A	

ITR & STR; research gillnet (routine fishery-independent sampling program)	SER16-00562 [PO521]	Tt	GOM/Matagorda Bay/Tres Palacios Bay/Lavaca Bay Stock	3-May-16	Alive	Serious	S7b	dolphin's flukes were entangled in the 4-inch mesh portion of a research gillnet left to soak overnight; dolphin did not display any signs of struggle such as splashing or thrashing when researchers arrived at the net in the morning; animal did not struggle during disentanglement as researchers cut away net; unknown duration of entanglement	N/A		N/A	
<b>Matagorda Bay/Tres Palacios Bay/Lavaca Bay Stock summary (n=2 cases): # Serious injuries=2; # Not serious=0; # CBD=0</b>											<b>SI Averted Tally: 0</b>	
At-Sea	Row 127 (may be the same as SER17-00033 below but it could not be confirmed due to decomposition)	Tt	GOM/ Mobile Bay/ Bonsecour Bay Stock	22-Nov-16	Alive, unknown	Serious	S6	animal documented with unknown gear wrapped around its peduncle and flukes, with gear trailing behind the animal; possibly a "rat's nest" of fishing line	N/A		N/A	
STR; hook and line gear	SER16-00468 [38DISL 080616]	Tt	GOM/Mobile Bay/Bonsecour Bay Stock	6-Aug-16	Alive	Serious	S6	animal was entangled in monofilament line wrapping around the anterior dorsal fin and trailing tautly behind; may have been entangled around flukes as well or just trailing other gear; animal was lethargic and appeared to have an elevated breathing rate; attempts to relocate the animal the following day were unsuccessful	N/A		N/A	
<b>Mobile Bay/Bonsecour Bay Stock summary (n=2 cases): # Serious injuries=2; # Not serious=0; # CBD=0</b>											<b>SI Averted Tally: 0</b>	

At-Sea	Row 104	Tt (4 individuals)	GOM/ Mobile Bay/ Bonsecour Bay Stock or Northern Coastal Stock	12-Jul-15	Alive	CBD		citizen reported 4 dolphins were in a commercial gillnet and person was close enough to hear vocalizations and blows; responders went to area with marine patrol and did not find dolphins; fishers reported no dolphins	N/A		N/A	
<b>Mobile Bay/Bonsecour Bay Stock or Northern Coastal Stock summary (n=1 case): # Serious injuries=0; # Not serious=0; # CBD=1</b>											<b>SI Averted Tally: 0</b>	
STR; trap/pot gear	SER17-00733 [53IMM S122917]	Tt	GOM/ Mississippi Sound/Lake Borgne/Bay Boudreau Stock	29-Dec-17	Alive	Serious	S6, S8a	dolphin was sighted by research crew on a routine dolphin photo-ID trip; it was entangled in what appeared to be a crab pot with line wrapped around both the dorsal fin and pectoral flippers; staff recorded photos and videos of the animal and notified NOAA; the animal was not sighted again; no disentanglement attempt was made	N/A		N/A	
<b>Mississippi Sound/Lake Borgne/Bay Boudreau Stock summary (n=1 case): # Serious injuries=1; # Not serious=0; # CBD=0</b>											<b>SI Averted Tally: 0</b>	
At-Sea	Row 117	Tt	GOM/Northern Coastal Stock	9-May-16	Alive, unknown	Serious	S6	animal was sighted near fishing pier for just over a month and was reported as entangled in hook and line gear with a lure trailing from the rostrum; the animal may have been "bridled"; stranding network reported the animal to be in rough/poor condition at its last sighting	N/A		N/A	
At-Sea	Row 144	Tt	GOM/ Northern Coastal Stock	28-Jul-17	Alive, unknown	Serious	S6	citizen documented an animal with biofouled line dragging ~30 feet behind the animal; unclear where the animal is entangled	N/A		N/A	
<b>Northern Coastal Stock summary (n=2 cases): # Serious injuries=2; # Not serious=0; # CBD=0</b>											<b>SI Averted Tally: 0</b>	

At-Sea	Row 25, vessel-strike tab	Tt	GOM/Perdido Bay Stock	3-May-18	Alive	Serious	S13a	ecotour operator documented an animal with a propeller injury to its dorsal fin resulting in a loss of ~60% of the fin with loose pieces of dorsal fin dangling from main portion of the fin; ecotour operator thought the animal appeared to be somewhat supported by the group of dolphins it was swimming with	N/A		N/A	
At-Sea	Row 168	Tt	GOM/Perdido Bay Stock	July/August 2018, exact date unknown	Alive	CBD		an angler reported hooking a dolphin with hook and line gear from a marina; little info available	N/A		N/A	
ITR; STR; experimental research gillnet gear	SER19-01285 [59DISL 110519]	Tt	GOM/Perdido Bay Stock	5-Nov-19	Alive	CBD		while biologists were retrieving an experimental gillnet that had been soaking for an hour, they came across a dolphin entangled in the mesh; they didn't notice any splashing until within 20 feet of dolphin; dolphin was completely submerged within 2 feet of water, with one layer of net totally entangled over it; once reached dolphin, it had slipped out of the mesh layer and was just entangled in the rope; float and lead lines were wrapped around flukes; dolphin was kicking its flukes profusely; it was reported to have 5-7 layers of line wrapped around its flukes indicating it had rolled in the net; one biologist held onto the dolphin while the other cut the net and lines free with a knife; disentanglement process took ~7 minutes until the dolphin was released free of gear; animal was reported to swim away vigorously unharmed with only a small laceration at the base of the dorsal fin with minimal bleeding (from a screw on the gunwale of the boat)	N/A		N/A	

STR; possible gillnet gear; monofilament line and debris	SER18- 00592 [27DISL 080718]	Tt	GOM/Perdido Bay Stock	26-Jul- 18	Alive	Not serious	S7b	dolphin calf was first reported during July 2018 with possible gillnet gear wrapped around its peduncle and flukes and trailing behind the animal; debris was also entangled within the gear; this calf was monitored and a disentanglement effort was planned, but the calf was not resighted during search efforts; during April 2019 the calf and its mother were resighted and the calf was documented to be free of the gear	N/A		N/A	
<b>Perdido Bay Stock summary (n=4 cases): # Serious injuries=1; # Not serious=1; # CBD=2</b>											<b>SI Averted Tally: 0</b>	
At-Sea	Row 175	Tt	GOM/PIS Stock	22-Mar- 19	Alive	Serious	S6, likely also S5a	an ecotour operator documented a dolphin with an entanglement originating in the mouth and trailing biofouled line along the right side of the body; a metal leader was cutting into the gape of the mouth	N/A		N/A	
At-Sea	Row 27, vessel- strike tab [FMMS N1937]	Tt	GOM/PIS Stock	26-May- 19	Alive	Serious	S16	animal reported with a watercraft-related injury; citizen documented via video and described 6 to 7 superficial, linear wounds on the dorsal portion of the head, and a superficial, triangular-shaped scrape was observed on the dorsal fin; the dolphin was observed logging at the surface for approximately 30 minutes, taking a breath every 2-3 minutes; upon approach by the citizen's vessel, the dolphin submerged and was not resighted	N/A		N/A	



STR; hook and line gear	SER16-00463 [FMMS N1614]	Tt	GOM/PIS Stock	18-Jul-16	Alive	Serious	S6	captain of a local fishing charter reported a free swimming, 5 foot dolphin entangled in approximately 30 to 40 feet of yellow PowerPro braided fishing line; line was described as being caught in the mouth and wrapped around the body, with trailing line present; the captain was unsure if there were any abrasions/lacerations associated with the entanglement	Serious	S6	No	the captain used a boat hook and removed by hand a portion of the line but a significant portion of the line still remained; after this attempt, the animal would no longer approach the vessel; law enforcement and biologists were dispatched to verify and monitor the animal, but the animal was not located
STR; trap/pot gear	SER16-00786 [FMMS N1625]	Tt	GOM/PIS Stock	29-Dec-16	Alive	Serious	S6	citizen reported a small dolphin entangled in crab trap/pot gear; animal was entangled in line connected to both trap and buoy	Serious	S6	No	citizen attempted a disentanglement and removed the trap with some line, however the dolphin was still entangled in the remaining line and buoy; local stranding network and law enforcement responded but the animal had left the area and they were unable to relocate the animal; no further reports were made

STR; hook and line gear	SER18-00973 [FMMS N1918; F314]	Tt	GOM/PIS Stock	6-Apr-18	Alive	Serious	S6	free-swimming, entangled male calf with what appears to be fishing line and associated lacerations at the leading edge of both flukes, near the fluke insertion; there is approximately two feet of line trailing from the flukes, with two distinct areas of biofouling; additionally there is what appears to be a circumferential wrap of monofilament line on the cranial aspect; on the dorsum, the line was observed caudal to the blowhole; on the left lateral aspect, the line appeared angled, immediately cranial to the left eye; on the right lateral aspect, this line also appeared angled, but towards the right pectoral fin; on this side, the line appeared wadded and was biofouled; no lacerations/abrasions were observed with the cranial entanglement; it is suspected that this animal may dealing with two separate entanglements	Not serious	S7b	Yes	during February and March 2019, the calf was seen repeatedly in the same area with additional entanglements; a capture-release disentanglement was performed on 11 March 2019; deeply embedded line was removed from the calf's mouth and both blades of the flukes; the animals were freeze-branded, the mother received a satellite-linked tag, and they were released on site; subsequent sightings were made of the mother and calf through at least 26-Oct-2020
STR; unknown line/gear/fishery	SER17-00413 [FMMSN 17108]	Tt	GOM/PIS Stock			Serious	S6, S8a	entangled dolphin was first reported by citizens and later confirmed and monitored by the stranding network until an intervention was deemed appropriate; line was lacerating through the right fluke blade and was heavily biofouled and trailing ~1.5-2 feet behind the animal	Not serious	S7b	Yes	prior to an intervention, the dolphin was disentangled by a citizen; the animal is missing about 2/3 of its right fluke blade; monitoring of this animal continued post-disentanglement, and the animal was sighted as recently as 28-May-2020
PIS Stock summary (n=6 cases): # Serious injuries=4; # Not serious=2; # CBD=0											SI Averted Tally: 2	

STR; hook and line gear	SER18-00628 [47IMM S101218 ]	Sb	GOM	12-Oct-18	Alive	Serious	S5a	juvenile rough-toothed dolphin stranded hooked in the mouth with additional hooks and line trailing from the first hook; this gear type is called a "Ballyhoo Rig"; dolphin also was reported to have a hook above the eye when it stranded but that was no longer there when stranding responders arrived on scene; dolphin had a deep abscess in its oral cavity; responders noted the gear was suspected of contributing to the stranding event; dolphin was taken to rehab and later deemed unreleasable and is being held permanently in captivity	N/A		N/A	
<b>GOM rough-toothed dolphin stock summary (n=1 case): # Serious injuries=1; # Not serious=0; # CBD=0</b>											<b>SI Averted Tally: 0</b>	
At-Sea	Row 101	Tt	GOM/Sarasota Bay/Little Sarasota Bay Stock	15-Apr-15	Alive	CBD		a charter boat captain reported a dolphin with a fishing jig on/near its dorsal fin	N/A		N/A	
At-Sea	Row 106 [FB78]	Tt	GOM/Sarasota Bay/Little Sarasota Bay Stock	5-Aug-15	Alive	Not serious	S5c	researchers sighted a known animal with a hook in its dorsal fin with a small amount of trailing monofilament line; animal shed gear on its own and was sighted gear free on 9-Sep-2015	N/A		N/A	
At-Sea	Row 129	Tt	GOM/Sarasota Bay/Little Sarasota Bay Stock	4-Jan-17	Alive, unknown	CBD		citizen reported an animal carrying a red buoy ~2 weeks ago (reported 2 weeks after the sighting); little info available	N/A		N/A	
At-Sea	Row 130	Tt	GOM/ Sarasota Bay/Little Sarasota Bay Stock	11-Feb-17	Alive, unknown	CBD		local ecotour reported an animal with red line over dorsal fin; little info available	N/A		N/A	

At-Sea	Row 135 [1852, calf of F185] TtNEFL 1712	Tt	GOM/ Sarasota Bay/Little Sarasota Bay	17-Mar- 17	Alive, unknown	Not serious	S6	local researchers sighted a mom/calf pair, and they noticed that the calf (1852) was entangled in monofilament fishing line; the entanglement appeared to come from below the water on 1852's left side, was embedded in the leading edge base of the dorsal fin, and a ball of line/algae was hanging against its right side; after reporting the entanglement to NOAA, researchers attempted to approach the animal and use remote disentanglement gear to remove the line; they tried for almost an hour to get close enough to hook and cut the line, but did not have any good opportunities; during this time, the dolphins became more and more evasive, and eventually were lost; the animal (1852) was resighted in July 2019 and again in January 2020 without the entanglement and appeared to be in good health	N/A		N/A	
ITR; shark research gillnet		Tt	GOM/Sarasota Bay/Little Sarasota Bay Stock	3-Jul-18	Alive	Not serious	S7b	researchers reported a dolphin entangled in their gillnet (4-inch mesh portion) just after the net had been set; it was mostly entangled by the fluke and peduncle along with mesh along the flank and wrapped over the tip of the rostrum; researchers immediately started cutting the net away and disentangled the animal; duration of entanglement was 10 minutes or less; animal swam away vigorously without injury and free of gear, and was observed surfacing to breathe several times as it left the area	N/A		N/A	
STR; crab trap/pot gear	SER15- 00630	Tt	GOM/Sarasota Bay/Little Sarasota Bay Stock	8-Nov- 15	Alive	Serious	S7a	animal was entangled by and trailing crab trap/pot gear	CBD		No	USCG coxswain disentangled the dolphin; animal swam away gear free; it's not known how long the animal was entangled

STR; commercial stone crab trap/pot gear	SER16-00067 [MML1 601]	Tt	GOM/Sarasota Bay/Little Sarasota Bay Stock	29-Feb-16	Alive	Serious	S7a	a known 10-year-old male dolphin (F262) was entangled and anchored overnight in trap/pot gear; initially reported by a charterboat captain (who made an unsuccessful attempt to disentangle it)	Not serious	S7b	Yes	the following morning researchers disentangled the animal; animal had superficial lacerations from line; upon release it was seen to take 1 breath and swim away; on numerous occasions through most recent database entry, April 2020, researchers resighted this animal in good condition
STR; hook and line gear	SER19-00478 [MML1 903; F316]	Tt	GOM/Sarasota Bay/Little Sarasota Bay Stock	21-Mar-19	Alive, reported to be thin	Serious	S6, S8a	known 2-year-old calf reported to be thin and entangled in monofilament line and Spectra/spiderwire line embedded deeply into its right fluke blade, with biofouled gear trailing behind the animal	Not serious	S7b	Yes	an intervention was carried out on 1-Apr-2019 in which the calf was captured, all gear was removed, and the animal was released; on 7-Jun-2019 animal was caught and examined; fluke was reported to be healing nicely. This dolphin has been seen by researchers as recently as 10-Feb-2021, and appears to be in good condition.
Sarasota Bay/Little Sarasota Bay Stock summary (n=9 cases): # Serious injuries=0; # Not serious=5; # CBD=4											SI Averted Tally: 2	
STR; commercial blue crab trap/pot gear	SER18-00225 [GW201 8009A]	Tt	GOM/St. Andrew Bay Stock	8-Mar-18	Alive	Serious	S7a	FWC officer on duty responded to a report of dolphin entangled in a crab trap/pot line; the officer reported that the animal was struggling to stay up, was in ~20 feet deep water and the buoy was pulling it down	Serious	S7b	No	FWC officer proceeded to grab the buoy and pull it alongside his vessel; he disentangled the animal in ~15 minutes; he also reported that the animal was passive during the event; he observed the animal for 15 minutes following disentanglement, and reported that the animal was improving; at first it stayed alongside the boat, but then began swimming more strongly in the direction of deeper water, with the respirations becoming stronger; the line was reportedly wrapped 4-5 times around the flukes, and once removed there was evidence of human interaction
St. Andrew Bay Stock summary (n=1 case): # Serious injuries=1; # Not serious=0; # CBD=0											SI Averted Tally: 0	

At-Sea	Row 96	Tt	GOM/St. Andrew Bay Stock or Northern Coastal Stock	18-Apr-15	Alive	Serious	S5a	animal sighted with a lure with a treble hook on each end, embedded in top and bottom of rostrum; animal appeared to be able to open its mouth only ~1 inch	N/A		N/A	
St. Andrew Bay Stock or Northern Coastal Stock summary (n=1 case): # Serious injuries=1; # Not serious=0; # CBD=0											SI Averted Tally: 0	
At-Sea	Row 102	Tt	GOM/St. Joseph Sound/Clearwater Harbor Stock	28-Jun-15	Alive	Serious	S6	animal was hooked in the dorsal fin with steel leader and fishing line attached and trailing; animal reported as lethargic	N/A		N/A	
At-Sea	Row 126	Tt	GOM/St. Joseph Sound/Clearwater Harbor Stock	3-Nov-16	Alive, unknown	CBD		citizen reported an animal entangled in crab trap/pot gear with a buoy; responders were unable to locate; little info available	N/A		N/A	
At-Sea	Row 150	Tt	GOM/St. Joseph Sound/Clearwater Harbor Stock	5-Nov-17	Alive, unknown	Serious	S6	citizen documented an animal with line wrapped around its peduncle at the point of fluke attachment and trailing behind the animal	N/A		N/A	
STR; oil boom entrapment	SER15-00491	Tt	GOM/St. Joseph Sound/Clearwater Harbor Stock	20-Jul-15	Alive, uninjured	Serious	S7a	a dolphin was reported as trapped by an oil boom in a marina and boat club; first responders arrived on scene at approximately 21:30; two oil booms were observed, one of which was situated between the west oil boom and highway; dolphin was confirmed to be trapped as a result of low tide; another dolphin was heard outside of this area, however, the west oil boom had a 3-4 ft clearance and thus, this animal did not appear to be trapped	Not serious	S7b	Yes	NMFS was contacted and it was decided that the first responders would cut the rope of the east oil boom to open it up; once opened, the trapped dolphin was observed leaving the area

STR; hook and line gear	SER18-00102 [CMA-Tt-1804; Lenny]	Tt	GOM/St. Joseph Sound/Clearwater Harbor Stock	8-Feb-18	Alive	Serious	S6	dolphin had line and hook wrapped around both flukes and trailing ~2-3 feet behind in a "Y" shape; the flukes are disfigured by a complicated wrap of multi-stranded line with multiple strands present across each point on insertion, and line is embedded within the flukes	Not serious	S7b	Yes	stranding partners captured, disentangled, and released the dolphin on 22-Feb-2018; close examination and disentanglement revealed that the ventral fluke surface is diffusely discolored with large areas of elevated nodular white tissue that are associated with the line passage through and against the tissue with possible chronic irritation and movement; 2 strands of line originating from the right fluke loop are causing a deep cut in the ventral fluke ridge then travels to the leading edge of the left fluke; the right loop of line had elicited a tissue response ventrally with a nodular elevation of tissue along the insertion line; severity of the wounds was a concern noted by veterinarians; however, animal has been resighted with some regularity by local researchers; alive and in good condition as of 1-Jul-2019
St. Joseph Sound/Clearwater Harbor Stock summary (n=5 cases): # Serious injuries=2; # Not serious=2; # CBD=1											SI Averted Tally: 2	
At-Sea	Row 156	Tt	GOM/St. Joseph Sound/Clearwater Harbor Stock or Eastern Coastal Stock	25-Feb-18	Alive	CBD		citizen reported a dolphin with an entanglement around its dorsal fin involving 2-3 wraps of braided line and a treble hook; line is reported as cutting 1 inch into dorsal fin; no photos; little info available	N/A		N/A	
At-Sea	Row 179	Tt	GOM/ St. Joseph Sound/Clearwater Harbor Stock or Eastern Coastal Stock	17-Mar-2018, 29-Aug-2018, 29-Apr-2019	Alive	CBD		this animal was documented on multiple occasions spanning more than one year by citizens and an ecotour operator; dolphin has monofilament line wrapped around (constricting) and embedded in the dorsal fin; no trailing line was evident; the entanglement has resulted in slight disfiguration of the dorsal fin	N/A		N/A	

St. Joseph Sound/Clearwater Harbor Stock or Eastern Coastal Stock summary (n=2 cases): # Serious injuries=0; # Not serious=0; # CBD=2											SI Averted Tally: 0	
At-Sea	Row 93	Tt	GOM/Tampa Bay Stock	23-Mar-15	Alive	CBD		calf sighted with monofilament loosely entangled around left fluke	N/A		N/A	
At-Sea	Row 98	Tt	GOM/Tampa Bay Stock	14-May-15	Alive	Serious	S6	animal with dorsal fin entanglement; animal was towing ~4 feet of line with some biofouling, and for a short time on 14-May-2015 there was a plastic water bottle involved in entanglement; animal re-sighted on 4-Jul-2015 and the dorsal fin was still entangled and line was cutting through the fin and also still trailing behind the animal	N/A		N/A	
At-Sea	Row 139	Tt	GOM/Tampa Bay Stock	4-Apr-17	Alive, unknown	Serious	S6	ferry operator documented an animal with a line around its body; nature of entanglement was unclear due to quality of video; animal was sighted and photographed one month later with gear still on; there seems to be around 1 foot of line trailing off the animal, with possibly a single wrap around the animal anterior to the dorsal fin and pectoral flippers	N/A		N/A	
At-Sea	Row 140	Tt	GOM/Tampa Bay Stock	25-Jun-17	Alive, unknown	Serious	S6, S8a	citizen documented an animal with 2 wraps of monofilament around its body, 1 wrap anterior to the dorsal fin, and 1 posterior to the dorsal fin; at least 1 wrap looks constricting and there may be trailing gear	N/A		N/A	



At-Sea	Row 148	Tt	GOM/Tampa Bay Stock	20-Oct-17	Alive, unknown	Serious	S6, S8a	citizen reported a calf entangled in hooks and line from its mouth to its tail; there were several hooks in the dorsal fin and flukes, with a chunk missing from the flukes; citizen said the animal is completely covered and arched like it can't straighten its flukes due to the line; calf was with the mother who was depredating bait from fishing lines; FWC officer responded but was unable to locate the animal	N/A		N/A	
At-Sea	Row 155	Tt	GOM/Tampa Bay Stock	25-Feb-18	Alive	CBD		citizen reported a dolphin with monofilament line around its flukes and peduncle; also reported red and white discoloration of peduncle; little info available	N/A		N/A	
At-Sea	Row 171	Tt	GOM/Tampa Bay Stock	13-Sep-18	Alive	Serious	S8a, S13a	researchers documented a young-of-the-year animal with monofilament wrapped around the anterior portion of its dorsal fin; line appears to extend around the peduncle; the line is taut and is cutting through the anterior portion of the dorsal fin at the fin's base	N/A		N/A	
At-Sea	Row 176	Tt	GOM/Tampa Bay Stock	29-Mar-19	Alive	Serious	S6	ecotour operator documented an animal with monofilament line entangled around the tip of the dorsal fin where there is a notch missing; the line is trailing from the dorsal fin to at least the peduncle area (at least ~3 feet)	N/A		N/A	
At-Sea	Row 182/183	Tt	GOM/Tampa Bay Stock	8-Jun-19	Alive	Serious	S6, S8a	a citizen documented a calf with monofilament line or net wrapped around and trailing behind the dorsal fin	N/A		N/A	

At-Sea	Row 189	Tt	GOM/Tampa Bay Stock	21-Aug-19	Alive, appears thin	Serious	S8a	researchers documented a dolphin (older calf) with what appears to a line/strap/belt (dark with metal present) wrapped around its body posterior to the dorsal fin; line appears to have cut into the animal as there are flaps of tissue apparent; flukes do not appear to be involved in the entanglement	N/A		N/A	
At-Sea	Row 190	Tt	GOM/Tampa Bay Stock	25-Sep-19	Alive	Serious	S5d	citizen at fishing pier reported an animal with a hook in the leading edge of its dorsal fin with 3-4 feet of monofilament line trailing	N/A		N/A	
STR; boat collision	SER15-00490 [Babyface]	Tt	GOM/Tampa Bay Stock	9-Jul-15	Alive, injured	Not serious	S16	Clearwater Marine Aquarium (CMA) received calls about an animal with extensive multiple lacerations on its peduncle; staff were dispatched on multiple days to monitor; on most days, the animal was sighted; photos, videos, GPS coordinates, and ethograms were collected; respiration rate ranged from 9 to 13 breaths per 5 minutes; animal seemed to be in fair condition, with the periphery of the lacerations showing signs of healing; dolphin was sighted throughout the Treasure Island area and seemed to move with ease; strongly suspected that the animal was foraging; additionally, reports have described people feeding the dolphin off of John's Pass boardwalk (not verified); photos were shared amongst mark-recapture researchers, and the animal has been positively identified as "Babyface"; CMA continued to monitor alongside other researchers; in mid-August, monitoring was suspended as a result of the animal's improved healing and behavior; no intervention was made	N/A		N/A	

Tampa Bay Stock summary (n=12 cases): # Serious injuries=9; # Not serious=1; # CBD=2											SI Averted Tally: 0	
At-Sea	Row 192	Tt	GOM/Tampa Bay Stock or St. Joseph Sound/Clearwater Harbor	22-Oct-19	Alive	Not serious	S7b	researchers initially documented an animal with fishing line cutting into the leading edge of its dorsal fin approximately midway down the fin; a fishing hook was seen trailing a few inches past the dorsal fin from its right side, and line on its left side appeared to extend further down toward the peduncle/flukes; animal was resighted on 27-Oct-2019 gear-free	N/A		N/A	
Tampa Bay Stock or St. Joseph Sound/Clearwater Harbor summary (n=1 case): # Serious injuries=0; # Not serious=1; # CBD=0											SI Averted Tally: 0	
STR; trap/pot gear	SER17-00713 [CMA-Tt-1711]	Tt	GOM/Waccasassa Bay/Withlacoochee Bay/Crystal Bay Stock	1-Oct-17	Alive	Serious	S7b, S8a	calf was entangled in trap/pot buoy line and anchored (there was no buoy present); line was 1/4 inch, black crab trap line and was still attached to the crab pot; line was described as having been wrapped around the distal peduncle 3 times	Serious	S7b	No	the complainants, which disentangled the calf, stated they grabbed the line trailing behind the calf, and pulled it to them; they then restrained the calf with the flukes out of the water and cranial aspect down; the calf resisted this and was thrashing violently during their attempts to cut the line; the presumed mom probed the gentlemen with her rostrum 3 to 4 times in the legs and back; using a kitchen knife, the gentlemen cut through all 3 wraps of the line; prior to releasing the animal back into the water, they noted several small abrasions (red in color) on the leading edge of the flukes and the ventral aspect of the caudal peduncle; animal was then released and immediately began swimming away with the presumed mother; they were both seen surfacing as they travelled away; abrasions were described as red in color and appeared fresh; no swelling or embedding of the line was observed; disentanglement was documented via video

Waccasassa Bay/Withlacoochee Bay/Crystal Bay Stock summary (n=1 case): # Serious injuries=1; # Not serious=0; # CBD=0											SI Averted Tally: 0	
At-Sea	Row 131	Tt	GOM/undefined stock area (Miller's Bayou, Florida; in between the Waccasassa Bay/Withlacoochee Bay/Crystal Bay Stock and the St. Joseph Sound/Clearwater Harbor Stock)	27-Mar-17	Alive, unknown	Serious	S6	a forestry pilot reported a dolphin calf with ~3 feet of material trailing from its flukes; stranding responders were able to locate and photograph this calf; the calf is trailing line and may potentially have line embedded or just a scarring from a previous entanglement around its tail stock; there is also a healed line mark around the neck; the trailing line is biofouled and appears to be wrapped around the tip of the left fluke blade though the origin may be somewhere else further forward on the animal's body, such as on the tail stock where the scarring occurs	N/A		N/A	
Undefined stock area (Miller's Bayou, Florida; in between the Waccasassa Bay/Withlacoochee Bay/Crystal Bay Stock and the St. Joseph Sound/Clearwater Harbor Stock) summary (n=1 case): # Serious injuries=1; # Not serious=0; # CBD=0											SI Averted Tally: 0	

**Table 1b. Atlantic Ocean**

Source of Data/ Fishery Type	Animal ID	Species	Area (ATL, GOM, CAR)/ Stock Name (if known)	Date of Take or Report	Recorded Animal Condition	Initial SI Determination	NMFS 2012 SI Policy Criteria (for Small Cetaceans)	Injury Determination Criteria/Comments	Post-Mitigation SI Determination (N/A is noted for cases without mitigation)	NMFS 2012 SI Policy Criteria (for Small Cetaceans)	SI Averted	Post-Mitigation Injury Determination Criteria/Comments
At-Sea	Row 165	Tt	ATL/Charleston Estuarine System	2-Jun-18	Alive	CBD		citizen reported an animal entangled in crab trap/pot gear; responders could not locate the animal; little info available	N/A		N/A	
STR; commercial blue crab trap/pot gear	SER15-00558	Tt	ATL/Charleston Estuarine System Stock	8-Oct-15	Alive	Serious	S6, S8a	a dolphin entangled in a crab pot line and buoy was found by a sailing tour vessel	Serious	S6, S8a	No	the sailing vessel deployed a jon boat to closely approach the animal; a crew member cut the dolphin free from some line and a buoy but left an unknown amount of line wrapped around the base of the flukes as the animal swam off; it was estimated that the animal had 5-6 line wraps around the base of the flukes
STR; commercial blue crab trap/pot gear	SER15-00559	Tt	ATL/Charleston Estuarine System Stock	13-Oct-15	Alive	Serious	S6, S8a	a dolphin entangled in a crab pot line and buoy were reported by boaters; line was wrapped tightly multiple times around the flukes	CBD		No	stranding network members arrived 2 hours 10 minutes after first report to begin disentanglement efforts; animal displayed some strong kicking of the flukes throughout much of the effort; a disentanglement knife was used to cut the lines; the first cut only released a small section of line; a second attempt allowed for the blade to get under 2 wraps and pulled back released the line around the flukes; the dolphin briefly hesitated when released and then quickly submerged and swam very quickly away; flukes appeared to have a small laceration with minimal bleeding and non-threatening injuries

STR; commercial blue crab trap/pot gear	SER17- 00099 [SC1715 ]	Tt	ATL/Charleston Estuarine System Stock	20-Mar- 17	Alive	Serious	S6, S7a	animal entangled in crab trap/pot buoy line; line wrapped around the base of flukes many times and was knotted; the line was double braided nylon 8 mm in diameter and was entangled around the flukes approximately 3 feet from the buoy	CBD	S7b	No	disentangled by a private citizen who reported he encountered a struggling dolphin being assisted by another dolphin who was pushing the animal to the surface to breathe; he grabbed a boat hook to secure the line and eventually maneuvered the animal to the back of his boat, where he noticed the flukes were severely entangled and knotted; he used a knife to cut through all lines and the dolphin swam away quickly with the other dolphin; a small amount of blood was noticed but wounds did not appear to be life-threatening; the citizen encountered the dolphin ~20 minutes after it was first reported by another vessel who saw the animal thrashing at the buoy and another dolphin alongside
STR; marine debris (rope)	SER18- 00246 [SC1823 ]	Tt	ATL/Charleston Estuarine System Stock	10-Apr- 18	Alive	Not serious	S7b	a dolphin in a shallow water creek next to a road had a line wrapped around its flukes; as SCDNR employees approached the animal from the marsh, the animal was spooked and began thrashing; the line was thrown off the flukes by the thrashing; animal disentangled itself prior to intervention	N/A		N/A	
STR; commercial blue crab trap/pot gear	SER18- 00468 [SC1836 ]	Tt	ATL/Charleston Estuarine System Stock	10-Jun- 18	Alive	Serious	S6	citizens reported a dolphin entangled in crab trap/pot gear; little info available	CBD		No	citizens disentangled the dolphin; they began pulling the line up and the dolphin slipped out so it was presumed the gear was loosely attached; the disentanglement effort was very brief and the animal was reported to be gear- free; no documentation of this case and few details are available
STR; commercial blue crab trap/pot gear	SER18- 00656 [SC1853 ]	Tt	ATL/Charleston Estuarine System Stock	29-Sep- 18	Alive	Serious	S6	dolphin was reported as entangled in crab trap/pot gear; line was wrapped around the base of the flukes multiple times and a buoy was present; it was later determined that the crab pot was also attached	CBD	S7b	No	fire department personnel responded within 35 minutes of the report to attempt disentanglement; disentanglement took 3-5 minutes; the dolphin was reported to struggle initially and then calm down once line was being cut; dolphin swam away quickly once released and was observed to surface normally

STR; buoy line entanglement (dredge buoy or crab trap/pot buoy)	SER18-00684 [SC1860]	Tt	ATL/Charleston Estuarine System Stock	21-Nov-18	Alive	Serious	S6	citizen found a dolphin entangled around its flukes in unidentified buoy line (either a dredge buoy or crab trap/pot buoy)	Serious	S6	No	citizen attempted to cut the line off the flukes but cut his hand badly during the attempt; dolphin remained entangled in the line; law enforcement officers attempted to locate the dolphin but were unable to find it
STR; commercial blue crab trap/pot gear	SER19-01138 [SC1944]	Tt	ATL/Charleston Estuarine System	1-Sep-19	Alive	Serious	S7b	dolphin observed and documented by public as entangled in trap/pot gear	Serious	S7b	No	members of the public cut the line but the animal was released with line still attached to its flukes; little info available
STR; commercial blue crab trap/pot gear	SER19-01091 [SC1947]	Tt	ATL/Charleston Estuarine System	13-Sep-19	Alive	Not serious	S8b	Coast Guard crew member observed a dolphin entangled in trap/pot gear; the animal was able to self-disentangle and shake the line from its flukes; from the time it was reported to the time it released itself was ~5 minutes	N/A		N/A	
<b>Charleston Estuarine System Stock summary (n=10 cases): # Serious injuries=3; # Not serious=2; # CBD=5</b>											<b>SI Averted Tally: 0</b>	
STR; commercial stone crab trap/pot gear and commercial spiny lobster trap/pot gear	SER17-00052 [DPMM R-1701-Tt]	Tt	ATL//Florida Bay Stock	26-Jan-17	Alive	Serious	S6, S8a	animal was entangled in commercial stone crab trap line and pot and also commercial spiny lobster trap line and pot, struggling to surface to breathe; 1 crab pot line with buoy (stone crab) was wrapped around the animal's peduncle twice and the second crab pot line (spiny lobster) was twisted around the first line over 30 times; appeared the animal was initially entangled and then swam circles around the next line	CBD	S7b	No	response team disentangled the dolphin and released it with a conspecific; upon approach from the vessel, the animal was calm but it did attempt to dive once the line was secured; surfaced twice to breathe during the disentanglement and did struggle; after line was cut and animal was free, it instantly dove and surfaced ~80 yards away for a quick breath and repeated; response team followed at a distance for less than 3 minutes and the animal appeared to be swimming and breathing normally; animal quickly outswam the response vessel; there were no observable injuries, only superficial scrapes
<b>Florida Bay Stock summary (n=1 case): # Serious injuries=0; # Not serious=0; # CBD=1</b>											<b>SI Averted Tally: 0</b>	
At-Sea	Row 105	Tt	ATL/IRLES Stock	7-Aug-15	Alive	Not serious	S8b	calf initially sighted on 7-Aug-2015 with a loose wrap of monofilament around the lower leading edge of the dorsal fin but not cutting into the fin; later sighted (25-Aug-2015) gear free; animal shed gear on its own	N/A		N/A	

At-Sea	Row 118	Tt	ATL/IRLES Stock	15-May-16	Alive, unknown	Serious	S6	local researchers reported an animal with bright green monofilament line wrapped ~8 inches behind the blow hole, with a second wrap on a 45° angle to the anterior line lower on the body; attempts to follow and relocate this animal were unsuccessful	N/A		N/A	
At-Sea	Row 124	Tt	ATL/IRLES Stock	21-Aug-16	Alive, unknown	Serious	S6	citizen reported an animal with monofilament fishing line around the dorsal fin and wrapped around the body with a 2-inch hook in the side of the animal	N/A		N/A	
At-Sea	Row 134	Tt	ATL/IRLES Stock	21-Mar-17	Alive, unknown	Not serious	S8b	local researchers documented an animal with monofilament line wrapped around its dorsal fin and trailing behind ~18 inches to 2 feet; animal later sighted in October 2017 gear-free	N/A		N/A	
At-Sea	Row 22, vessel-strike tab	Tt	ATL/IRLES Stock	1-Jul-17	Alive, unknown	Serious	S12	citizen documented an animal with a deep propeller cut to its peduncle to the point of bone exposure	N/A		N/A	
At-Sea	Row 23, vessel-strike tab	Tt	ATL/IRLES Stock	16-Jul-17	Alive, unknown	Serious	S12	citizen documented an animal with a propeller cut to its rostrum, exposing bone; most of the rostrum is now missing	N/A		N/A	
At-Sea	Row 143	Tt	ATL/IRLES Stock	24-Jul-17	Alive, unknown	Serious	S6	ecotour operator documented an animal with a rope at the anterior base of the dorsal fin which may extend all the way around the body, or may be connected to other body parts; line appears taut; biofouling was attached to the rope on both sides of the animal's body	N/A		N/A	
At-Sea	Row 149	Tt	ATL/IRLES Stock	2-Nov-17	Alive, unknown	Serious	S8a	local researchers reported an animal with a tight wrap of unknown gear behind its head; a consult with veterinarians deemed this entanglement as life-threatening	N/A		N/A	
At-Sea	Row 24, vessel-strike tab [CM68]	Tt	ATL/IRLES Stock	16-Feb-18	Alive	Not serious	S13a	researchers documented a dolphin whose dorsal fin had been almost completely removed by a propeller; skin is removed from the peduncle area as well and exposed blubber is red; animal was resighted by local researchers in January 2019 and appeared to be doing well	N/A		N/A	



At-Sea	Row 164 [c4BITT ]	Tt	ATL/IRLES Stock	18-Apr- 18	Alive	Not serious	S7b	researchers documented a calf with a body wrap of monofilament or cord anterior to dorsal fin; on 23-May-2018 the animal was documented to be gear-free; the animal shed the gear on its own	N/A		N/A	
At-Sea	Row 185 [c3POO H]	Tt	ATL/IRLES Stock	25-Jun- 19	Alive	Not serious	S13a	in June 2019 researchers documented a calf, ~2 years old, with an entanglement of monofilament wrapped tightly and constricting and cutting through the upper dorsal fin; calf was later sighted in January 2020 gear-free with a slight disfigurement of the upper dorsal fin; calf sighted additional times by researchers, as recently as October 2020, and the animal appears to be doing well	N/A		N/A	
At-Sea	Row 198	Tt	ATL/IRLES Stock	7-Dec- 19	Alive	Serious	S6	ecotour operator documented an animal with an entanglement; very poor video quality, but entanglement reported to be around flukes and trailing ~5 feet behind the animal	N/A		N/A	
STR; hook and line gear	SER15- 00166 [CPEA]	Tt	ATL/IRLES Stock	18-Jan- 15	Alive, injured	Serious	S8a	calf's maxilla was wrapped tightly multiple times with monofilament line; the line was cutting deeply into the maxilla	Not serious	S7b	Yes	successful capture of mother/calf pair and disentanglement of calf on 6-Mar-2015; all gear was removed and a VHF tag was placed on the mother for post-release monitoring; calf still alive and sighted with mother during February and June of 2016

STR; commercial blue crab trap/pot gear	SER15- 00147	Tt	ATL/IRLES Stock	24-Mar- 15	Alive, injured	Serious	S6	dolphin was seen trailing a black and yellow circular buoy less than one body-length behind its tail; witnesses say the dolphin struggled to surface and lifted only its head and part of its dorsal fin when surfacing to breathe; the initial complainant called to report that the animal had become stuck on the rocks on the northern shore of the entrance to Ballard Park; upon contacting the complainant the animal had freed itself from the rocks and continued north	Serious	S7b	No	animal was entangled for more than 5 ½ hours based on witness reports throughout the day; late in the day a jet skier approached the dolphin from behind and grabbed the trailing crab trap/pot buoy; the rope was handed off to boaters who tied the trailing line around a cleat on their bow; jet skier and two individuals on board the boat entered the water (~3 feet deep) and struggled to pull in the line; when they had the dolphin close enough they observed one loop of rope around the caudal peduncle at the fluke insertion; rope looped around the ventral portion of the caudal peduncle and was twisted tightly together on the dorsal surface of the flukes; they freed the animal by untwisting the rope and guiding it off of the flukes (no cuts were made); they observed ½ inch deep by ½ inch wide wounds on the leading edge of each fluke at the fluke insertion; wounds were described as red and open, but not bleeding; group reported that they had very little contact with the dolphin, and were handling the rope and fluke area only; upon removing the rope the dolphin reportedly fled the area very quickly, swimming directly west towards a group of 2+ other dolphins.
STR; commercial stone crab trap/pot gear	SER15- 00576	Tt	ATL/IRLES Stock	22-Oct- 15	Alive	Serious	S7a	a camper reported a pair of dolphins staying in the same place for at least 3 hours; one of the animals seemed to be weighed down by something and was struggling to keep its head above water; stranding network volunteers assessed the animal's behavior and condition and determined that the dolphin was tethered, lifting just its blowhole and rostrum out of the water; a second dolphin was seen in deeper water ~500 m away	CBD		No	stranding network members entered the water via kayak and on foot; the member on foot felt a large trap; the trap was lifted and the animal was supported and brought to slightly more shallow water (~15 feet backwards); the rope was wrapped tightly around the peduncle and then again around the trailing edge of the flukes; rope was cut and flukes were photographed before releasing the animal; the extent of damage to the flukes seemed to be no more than 1 cm deep into the leading edge of the flukes and ca. 0.5 cm in 2 spots along the trailing edge; the animal swam off with speed and was seen to surface 3 times at distances

												beyond 200 m; no other dolphins were seen during after rescue attempt; the second dolphin (part of the original sighting) seen upon initial arrival was believed to be a 1-2 year old dolphin (not a newborn)
STR; commercial blue crab trap/pot gear	SER15-00592 [FIZZ]	Tt	ATL/IRLES Stock	2-Nov-15	Alive	Serious	S6, S8a	animal was sighted swimming pulling crab trap/pot gear, including trap, buoy and line	Not serious	S7b	Yes	animal was initially sighted by a salvage crew member, and this citizen cut the trap free from the animal, but line and buoy remained looped around the peduncle and trailing behind animal; stranding network members attempted to remove the line and buoy, but were unsuccessful; however, the animal was sighted doing a few spins and the remaining gear was seen to come off on its own; animal resighted on 1-Dec-2015 and confirmed gear-free
STR; hook and line gear	SER16-00626 [Hubbs-1643-Tt; c1SORT]	Tt	ATL/IRLES Stock	17-Aug-16	Alive	Serious	S6	calf estimated at 13 months was observed with a strand of monofilament line embedded around the base of its dorsal fin; calf appeared to be surfacing well but did not lift the flukes; subsequent sightings and photos on 22-Aug-2016 and 7-Sep-2016 revealed fishing line cutting into the leading edges of the flukes and trailing behind with biofouling; entanglement appeared to be progressing through the leading edge of the flukes and the dorsal fluke insertion and a post-nuchal depression was apparent; behavior of the calf indicated a weakened condition with extended periods at the surface, dragging the flukes and difficulty keeping up with the mother; animal exhibited abnormal fluke movement and possible skeletal deformity with an arch at the caudal peduncle (kyphosis)	Not serious	S7b	Yes	calf was captured, disentangled, and released on 14-Sep-2016; the mother and 2 other adults patrolled around the net throughout the disentanglement; a single strand of monofilament was removed from the dorsal fin (~20 cm); a tangle of monofilament with extensive biofouling was embedded deeply (~5.5 cm) along the leading edge of the left fluke, and in 3 places (1-2 cm) along the leading edge of the right fluke; the line was wrapped through the fluke notch with a mass of line trailing aft of the flukes; there is a line impression, scarring and an indentation at the upper oral commissure (both left and right), extending over the rostrum at the apex of the melon; thorough examination of the mouth and oral mucosa revealed no significant damage; gear weighed ~ 350 g and extended 305 cm when unraveled; calf quickly rejoined mother upon release; a focal follow was conducted post-release (over 1 hour) and the calf was not witnessed bobbing at the surface during this time period, respirations were decreased from period observations, and the calf

												seemed to easily keep up with the mother despite the skeletal deformity; post-release sightings of this animal by local researchers have been made for 12 months and the animal appears to be in good body condition as of August 2017
STR; commercial blue crab trap/pot gear	SER16-00518 [Hubbs-1642-Tt]	Tt	ATL/IRLES Stock	10-Sep-16	Alive	Serious	S7a, S8a	small animal was entangled in crab pot line wrapped twice tightly around the peduncle; animal appeared anchored with only head and blowhole above water; animal was reported to be thrashing and making noise, and a larger adult was observed nearby	CBD	S7b	No	local resident took his boat out and cut the line off the dolphin before stranding responders arrived; based on the description of the dolphin's behavior from the boater and photos, responders believed the dolphin was likely in good condition and was able to swim well after release, but they were unable to locate the dolphin for follow-up monitoring
STR; hook and line gear	SER17-00031 [Hubbs-1701-Tt; JUNE; calf of SQSH]	Tt	ATL/IRLES Stock	10-Jan-17	Alive	Serious	S6, S8a	calf documented with entanglement around its flukes and trailing extensive gear; damage to the flukes included lacerations on the leading edges that appear to have made significant progress through the flukes; calf was having difficulty swimming and was surfacing abnormally; calf appeared very thin-emaciated (sunken epaxial musculature and a prominent post-nuchal depression); mother is a known animal (SQSH) and has been in the HBOI catalog since 2002; estimated age of the calf is 2 years 5 months	Not serious	S7b	Yes	an intervention took place on 17-Jan-2017; animals were hand captured in the net; veterinarians removed the line from the flukes, treated the wounds and administered an antibiotic; fishing line was deeply embedded at the leading edge of both flukes, nearly severing the left fluke; line was also embedded along the dorsal and ventral surface of the fluke insertion; a radio-transmitter was attached to the mother's dorsal fin to enable post-release monitoring; on 19-Jan-2017 during a photo-ID survey, HSWRI staff located the animals in the same area where they were released on 17-Jan-2017; mother and calf actively avoided the boat and did not allow for many close approaches; calf appeared to have no difficulty keeping up with the mother, and lifted the flukes along the surface when beginning a dive; tag remained active until 9-Mar-2017 and the pair were monitored during that time; in addition mom/calf pair were later sighted on 12-May-2017

STR; Hawaiian sling/spear	SER17-00078 [Hubbs-1704-Tt; KAI]	Tt	ATL/IRLES Stock	31-Jan-17	Alive	Serious	S6	calf was entangled in a Hawaiian sling/spear and listing to the left while swimming; injuries considered to be life threatening	Not serious	S7b	Yes	multi-agency disentanglement was implemented on 14-Feb-2017; a rubber loop of a Hawaiian sling/spear was entangled through the mouth and around the calf's left pectoral flipper with the spear hanging off caudally; the loop dug into the caudal mandible soft tissue just behind the teeth with the right side being 3 cm deep and the left side being 1.5 cm deep; the rubber loop then wraps behind the left pectoral flipper and had dug its way 2.5 cm cranial through the caudal aspect of the pectoral insertion; there is granulation tissue development and healing of the cut caudal to the current location of the rubber; the spear was still attached and was dragging ventral caudally putting tension on the loop; there is a 40 cm long by 20 cm tall area of discoloration and superficial skin abrasion consistent with chronic rubbing of the spear on the skin; the appearance of granulation tissue and early scab adherence is consistent with the chronicity of this entanglement being greater than 2 weeks old, most likely being just more than a month old; calf prognosis was guarded and focal follow upon release still showed the calf listing while swimming; at time of report preparation, local researchers were still sighting this animal (17-Jul-2018 most recent sighting)
STR; hook and line gear; nylon line (not fishing gear)	SER17-00288 [Hubbs-1711-Tt]	Tt	ATL/IRLES Stock	24-Mar-17	Alive	Serious	S6, S8a	nylon line was bridled through the calf's mouth strung under the left pectoral flipper and extended up just posterior to the dorsal fin where a carabiner was attached to the end of the rope and secured to the rope extending upward from the right lateral side before it loosely trailed the animal; monofilament fishing line (and a hook 5 cm long) was also entangled in the line near the carabiner and was cutting through the leading edge of the left pectoral flipper (5 cm deep)	Not serious	S7b	Yes	on 10-May-2017 an intervention occurred (previous attempt on different day was unsuccessful); all gear was removed from the animal and collected; wounds from the bridle through the mouth were present accompanied by granulating tissue which extended along the posterior dorsal surface of the gape; long lasting antibiotics were given; Gear Analysis: hook and mono line likely became entangled after the line interaction with the dolphin and not part of the initial encounter; animal was entangled again in July 2017, but resighted

												in August 2017 without any entangling gear
STR; trap/pot gear and debris	SER17- 00684 [Hubbs- 1739-Tt; c2SEAB ]	Tt	ATL/IRLES Stock	2-Nov- 17	Alive	Serious	S8a	calf was sighted with debris of unknown origin tightly encircling its head; calf was monitored until an intervention could be staged	Not serious	S7b	Yes	on 11 December 2017 an intervention was implemented; calf was found to have a bungee cord with bio-fouling tightly encircling its head; a Keller crab pot hook (trap closure hook) was secured to the cord with 2 "hog ties" and a yellow "zip tie" was wrapped around the cord; entanglement corresponds with a deep laceration (up to 2 cm) which encircles the majority of the head at varying depths; a deep impression is present along the right lateral side that corresponds with the plastic hook and hog ties; upon gear removal the margins of the wound are granulated with necrotic tissue; wounds were extensively flushed and blood was collected from both mom and calf; calf was slightly thin, presents a few skin lesions and teeth without wear; long lasting antibiotics were given and the animals were released; calf was sighted on 22-Feb-2018 and appeared to be doing well
STR; construction boom	SER17- 00590 [Hubbs- 1738-Tt]	Tt	ATL/IRLES Stock	22-Nov- 17	Alive	Serious	S7a	construction boom entrapment; dolphin was reported by a local eco-tour company at 10:36 as entrapped within a yellow construction boom on the east side of Dragon Point in the Banana River; operator informed local stranding responders they would be on the water again at noon and would notify if the dolphin was still within the boom; at 13:04 the tour operator called stating the dolphin was still within the construction boom and appeared distressed, pacing along the edge from one end to the other and had drawn a crowd of onlookers including multiple boats and jet skis; law enforcement support was requested	Not serious	S7b	Yes	eco-tour company called at 13:36 to update that 2 citizens were in the water within the boom and splashing in an effort to encourage the dolphin to jump over the barrier; by 13:44 citizens had cut the boom at the center and released the dolphin; FWC law enforcement was on site by land ~5-10 minutes later and confirmed that the boom had been opened and there were no dolphins within the construction area; dolphins were observed along the coastline, behaving normally

STR; hook and line gear	SER19-01290 [Hubbs-1927-Tt; c1BROW-BR0120]	Tt	ATL/IRLES Stock	15-Jul-19	Alive, possibly thin	Serious	S8a	researchers documented a subadult dolphin with an entanglement encircling its head consisting of clear monofilament fishing line with a broken metal leader attached; the entanglement was chronic and embedded in portions of the encirclement; an intervention attempt occurred on 27 August 2019, but unfortunately the dolphin was not captured during this attempt or subsequent attempts; the dolphin has not been sighted since 28 October 2019 despite continued efforts (last attempt Jan 2020); shifting of the gear between sighting dates (11 Jul, 20 Aug, 27 Aug, 2 Oct, 28 Oct) was apparent with the more visible biofouling portions and leader of the line presumably shifting ventrally; upon last sighting (28 October 2019), the encirclement had healed over the gear in many areas; animal was thin with pox like lesions and an algae sheen; images illustrated that the encirclement didn't appear to involve the pectoral flippers or flukes; despite exhaustive search efforts the animal has not been resighted	N/A		N/A	
STR; hook and line gear	SER17-00030 [HBOI-1701c-Tt; c5REEL ]	Tt	ATL/IRLES Stock	22-Nov-2016 (first sighted entangled); 25-Jan-2017 is the date of strand entry	Alive	Serious	S6, S8a	a black line wrapped around the dolphin's body in front of the dorsal fin (upon disentanglement it later became apparent there was also line leading back to the pectoral flipper, and constricting wraps around the pectoral flipper)	Not serious	S7b	Yes	two disentanglement efforts took place; first was on 14-Dec-2016 and was unsuccessful; second was on 25-Jan-2017 and was successful; the monofilament was wrapped about 8 loops around the pectoral flipper digging deeply into the cranial aspect of the flipper with a larger loop going around the body back to the flipper; there was evidence of prior constriction injuries at the base of the right pectoral flipper and caudal mandible but no active open wounds at these sites; calf was disentangled and given a shot of antibiotics; mom was tagged, and mom/calf were monitored until 9-Mar-2017; on 12-May-2017 the mom/calf pair was

												sighted again (mom still had the tag)
<b>IRLES Stock summary (n=25 cases): # Serious injuries=9; # Not serious=14; # CBD=2</b>											<b>SI Averted Tally: 9</b>	
At-Sea	Row 90 [JIBB]	Tt	ATL/JES Stock	29-Jan-15	Alive	Serious	S6	animal observed with line wrapped around and trailing 2-3 feet behind the flukes	N/A		N/A	
At-Sea	Row 119	Tt	ATL/JES Stock	26-May-16	Alive, unknown	Serious	S6, S8a	local researchers reported a calf with a monofilament entanglement wrapped around the animal anterior to its dorsal fin, possibly extending to flukes	N/A		N/A	
At-Sea	Row 141	Tt	ATL/JES Stock	29-Jun-17	Alive, unknown	Serious	S6, S8a	local researchers documented an animal with a severe mouth entanglement; monofilament wrapped deeply around its mandible (constricting); animal was resighted on 5-Jun-2018 still entangled	N/A		N/A	
STR; hook and line gear	SER16-00563 [TtNEF L1609]	Tt	ATL/JES Stock	26-May-16	Alive	Serious	S6, S8a	local researchers documented an entangled juvenile with monofilament line wrapped around the body anterior to the dorsal fin; the line trails tightly posterior to the fin towards the flukes; line appears to be cutting into the anterior portion of the dorsal fin and is very taught; flukes may or may not be involved in entanglement or gear may be trailing behind/off the animal	NA		N/A	
STR; commercial blue crab trap/pot gear	SER16-00795 [TtNEF L1611]	Tt	ATL/JES Stock	13-Jun-16	Alive	Serious	S7a	citizens reported animal to be entangled in crab trap/pot, line and buoy	CBD	S7b	No	citizens disentangled the animal; after hooking the rope with a gaff, the float came off but they said the trap was weighing the dolphin down; they were able to get close to it from their boat and cut the rope that was wrapped ~3 or 4 times around the peduncle, right at the fluke insertion; the husband felt the weight of the trap sink down after cutting the rope in several places; he grabbed ~20 feet of rope from off the dolphin (he thought that was all of the gear attached still) and the dolphin swam off; FWC LE will try to retrieve the gear from their house



STR; commercial blue crab trap/pot gear and research trap/pot gear	SER17-00737 [TtNEF L1706; Q32]	Tt	ATL/JES Stock	10-May-17	Alive	Serious	S6, S8a	dolphin observed entangled in 4 buoys and 3 crab traps; the pectoral flippers were hand-cuffed in a figure-eight pattern with line, and there was a single loose wrap around the head; the animal appeared calm as it surfaced, and the tail wasn't visible; the dolphin was originally entangled in commercial blue crab trap/pot gear, then 2 other pots and gear were picked up as ancillary entanglers; the second trap tightly wound many times around the first trap; the third trap had a single wrap around the 2 wound lines of trap #1 and trap #2; traps #1 and #3 were commercial blue crab trap/pot gear, and trap #2 was research trap/pot gear	Serious	S7b	No	stranding network responders approached and hooked the buoys with a boat hook, and the dolphin was pulled towards the vessel; under restraint the animal was calm and the tail verified gear free; the animal had abraded, red skin under the right pectoral flipper; the dolphin was freed by slipping line off the pectoral flippers and head; animal never struggled during the disentanglement and appeared pretty tired; when all the gear was removed, the animal slowly went under the waterline for a couple of seconds before she took off and was seen to surface 3 times; responders believed the dolphin hesitated because it didn't realize it was gear free
STR; blue crab trap/pot gear	SER17-00736 [TtNEF L1707]	Tt	ATL/JES Stock	12-May-17	Alive	Serious	S6	citizen reported a dolphin was entangled around the fluke insertion, in trap/pot line with the trap still attached; buoy associated with the trap was a red bullet buoy	CBD	S7b	No	citizen freed the dolphin, but reported abraded, red skin from the entanglement; little info available
STR; hook and line gear and debris	SER17-00742 [TtNEF L1712]	Tt	ATL/JES Stock	29-Jun-17	Alive	Serious	S8a	local researchers documented a dolphin with a severe mandible entanglement; monofilament line and possibly other gear was wrapped tightly around the mandible, constricting and causing deformities; veterinarians were consulted and this case was deemed life threatening and an intervention was planned; however, the animal was not re-sighted prior to the planned intervention; animal was resighted in June 2018, 1 year later, still entangled	N/A		N/A	

STR; commercial blue crab trap/pot gear	SER17- 00442 [TtNEF L1715; PPEY]	Tt	ATL/JES Stock	13-Jul- 17	Alive	Not serious	S7b	local photo-ID team/researchers encountered a dolphin calf entangled in a crab trap/pot line in the ICW in 8 m of water; the calf was in distress and struggling and there was another dolphin (presumed mom) consistently diving next to it; while the team was approaching and attempting to disentangle the dolphin, it freed itself and no lines were cut on the trap; mom and calf were relocated a few minutes later heading north in the ICW with 2 other dolphins; the calf appeared in good shape, although there were surface abrasions from the entanglement, but no deep wounds visible	N/A		N/A	
<b>JES Stock summary (n=9 cases): # Serious injuries=6; # Not serious=1; # CBD=2</b>											<b>SI Averted Tally: 0</b>	
ITR & STR; shark research gillnet	SER16- 00395 [GA201 6020]	Tt	ATL/NGSSCES Stock	16-Jun- 16	Alive	Not serious	S7b	field crew monitoring a research monofilament gillnet (5-inch mesh) saw a large fin moving towards the net which they first assumed was a bull shark, but once they saw the large splash and began to approach the thrashing animal, they noticed the animal surface to breathe and realized it was a bottlenose dolphin; crew quickly approached the dolphin and began to cut the net away as quickly as possible; dolphin continued violently thrashing and barrel rolling, but was coming to the surface to breathe every few seconds; as the crew cut the dolphin from the net, which took an estimated 2 minutes, the animal eventually became disentangled enough to free itself and swim off; crew did not notice any obvious blood or injuries to the dolphin; after disentanglement, 1 of the crew members saw the dolphin surface and jump	N/A		N/A	

STR; commercial blue crab trap/pot gear	SER18-00071 [GA2018009]	Tt	ATL/NGSSCES Stock	23-Feb-18	Alive	Serious	S7a	marine patrol officer encountered a dolphin entangled in and anchored by crab trap/pot buoy line; line was wrapped around the peduncle ~3 times; animal was thrashing in the water	CBD	S7b	No	officer disentangled the dolphin; initially the officer attempted a disentanglement on his own for a couple minutes, then returned to the dock and brought 2 more people out to assist; the second attempt took ~3 minutes to disentangle the dolphin; the dolphin was believed to be free of all gear and unharmed; the dolphin swam away and joined other dolphins upon release
NGSSCES Stock summary (n=2 cases): # Serious injuries=0; # Not serious=1; # CBD=1											SI Averted Tally: 0	
STR; mid-Atlantic gillnet fishery (targeting striped bass)	NER17-00130 [NA1750Ti]	Tt	ATL/NM Coastal Stock	27-Apr-17	Alive	Serious	S7a	dolphin was entangled in commercial gillnet gear (~9-inch mesh) by its dorsal fin, both pectoral fins, and flukes; this animal was spotted from shore and reported	CBD	S7b	No	dolphin was disentangled by a Maryland Natural Resources police officer; the animal and gillnet were in the surf, and in order to safely approach, the officer had to attach the net to his patrol vessel and pull the net out of the surf; the officer was able to cut the net away from the dolphin's dorsal fin and one of the pectoral flippers; the dolphin rolled and freed its other pectoral flipper, leaving the fluke entanglement, which was the worst of the entanglements; the officer was able to cut some of the net away which loosened the entanglement and the dolphin was able to free itself at that point; he watched the dolphin surface several times as it was swimming away from the area; the elapsed time from the first report to disentanglement was ~1 hour 10 minutes; the officer reported the dolphin had minor abrasions from where the net came in contact with its skin, and that the animal was struggling during the disentanglement trying to swim away from his vessel
STR; trap/pot gear	NER17-00232 [VAQS20171034]	Tt	ATL/NM Coastal Stock	30-Apr-17	Alive	Serious	S6, S7a	behavior and orientation of animal at the surface suggested animal was dragging trap/pot gear by its flukes	Serious	S6, S7a	No	animal was partially disentangled by a citizen who cut most of the line connected to the buoy away (and the buoy); line remained wrapped around the peduncle at flukes; stranding responders attempted further disentanglement but the animal was elusive and they were unable to grapple the gear; animal believed to still be

												entangled in line connected to trap/pot plus a small piece of buoy line
<b>NM Coastal Stock summary (n=2 cases): # Serious injuries=1; # Not serious=0; # CBD=1</b>											<b>SI Averted Tally: 0</b>	
OBS; sink gillnet (targeting southern kingfish)	[Also reported in Josephson <i>et al.</i> 2019]	Tt	ATL/NM Coastal or NNCES Stock	17-Feb-17	Alive	CBD		dolphin was removed from the commercial gillnet by the deckhands before the net was brought onboard the vessel; no photos or samples taken; little info available (net was 2.5-inch mesh)	N/A		N/A	
<b>NM Coastal or NNCES Stock summary: # Serious injuries=0; # Not serious=0; # CBD=1;</b>											<b>SI Averted Tally: 0</b>	
STR; trap/pot gear	NER17-00259 [VAQS2 0171056]	Tt	ATL/NM Coastal Stock or SM Coastal Stock	10-Jun-17	Alive	Serious	S7a	citizen reported a dolphin entangled in crab trap/pot line	CBD		No	citizen attempted to disentangle the animal and thought the animal was freed of gear; little info available
STR; hook and line gear	NER17-00262 [VAQS2 0171060]	Tt	ATL/NM Coastal Stock or SM Coastal Stock	22-Jun-17	Alive	Serious	S6	dolphin was entangled around its dorsal fin with a mass of bright green high-test monofilament line; line appears to be wrapped around the dorsal fin many times, and a "rat's nest" of line is aft of the fin plus line is trailing off the fin and behind the animal; dorsal abrasions/lacerations suggestive of possible peduncle and/or pectoral flipper involvement; the animal was slowly approached by a disentanglement team for hours in an attempt to get close enough to disentangle the animal, but the animal was too evasive and the team had to call the efforts off	N/A		N/A	
<b>NM Coastal Stock or SM Coastal Stock summary (n=2 cases): # Serious injuries=1; # Not serious=0; # CBD=1</b>											<b>SI Averted Tally: 0</b>	
At-Sea	Row 108 [since initially included in report, animal was entered into	Tt	ATL/NNCES Stock	20-Aug-15	Alive	Serious	S8a	animal sighted with an Aerobic ring around its head; a disentanglement effort was planned, but the animal was not sighted during the disentanglement surveys in early September; no further reports on this animal	N/A		N/A	

	strandin g data as SER15- 00703 [Ringo]											
OBS; mid- Atlantic gillnet fishery (targeting Spanish mackerel)	Tt		ATL/NNCES Stock	25-May- 18	Alive	CBD		captain of commercial fishing vessel noticed splashing and an animal entangled in the gillnet; upon close approach, the crew realized it was a dolphin entangled in the net; animal was entangled in the float line and thrashing; the captain began cutting line with a gaff and he and a mate began pulling the netting over the dolphin to disentangle it; additional untangling of net around the flukes was also needed; once the animal was disentangled it swam away very quickly; as the animal was being disentangled the NMFS observer got close looks at its body and it appeared to be free from net marks and wounds from the mesh; time from seeing the initial splash and having the dolphin next to the boat was 10 minutes; animal struggled for 2 minutes during disentanglement; animal was entangled for an estimated 12- 15 minutes	N/A		N/A	
STR; commercial blue crab trap/pot gear	SER18- 00619 [NCUR2 0181002 ]	Tt	ATL/NNCES Stock	2-Oct-18	Alive	Serious	S7a	dolphin was reported as surfacing in the same area for 4 hours and with a buoy attached; it was later determined the animal was entangled in 3 crab traps/pots and 3 buoys twisted around each other	Serious	S6	No	stranding response teams searched for and found the entangled dolphin; a person in 1 of the 2 boats was able to get ahold of line with a boat hook and pull the dolphin to the side of the boat; 1 member cut the line because he thought the remaining line was merely twisted and would shed easily on its own, however photos documented the line to be knotted; 1 line remained wrapped around the peduncle and knotted with 2 lines trailing a foot behind; the dolphin thrashed during the disentanglement attempt and quickly swam off following cutting the line; however gear remained on the dolphin; it was entangled in 3 crab traps/pots and 3 buoys for at least 6 hours

STR; stop net gear	SER19-01166; [NCUR20191102]	Tt	ATL/NNCES Stock	2-Nov-19	Alive	Serious	S7b	a fisherman saw splashing and a dolphin and realized the dolphin had hit the stop net; he called the other crew members, who had to take the strike net off the boat before launching it to get to the dolphin (or boat would sink in rough surf); it took ~14 minutes to get to the dolphin; when the crew arrived the dolphin was pretty active for ~35-40 seconds; they held the net up for a minute, and it finally calmed down; to disentangle the animal, they grabbed the top line and worked down to the webbing (had one person on each side hauling up the webbing) until they got to the dolphin; dolphin was right side up and breathing the entire time they were with it; the webbing was hung up on the dolphin's lower jaw (teeth) – it took ~5 seconds to cut the webbing; during the cutting process, the dolphin splashed once pretty hard, then relaxed; after the dolphin was free from the gear, it remained in place for about 15 seconds before made a hard turn toward the NE away from the lead portion of the net; the dolphin got about 30 yards away from the lead, took a breath, then swam off; crew estimated it was ~18-19 minutes from the time the dolphin hit the net to its release; no wounds were visible	N/A		N/A	
NNCES Stock summary (n=4 cases): # Serious injuries=3; # Not serious=0; # CBD=1											SI Averted Tally: 0	

STR; crab trap/pot gear	NER15-00409	Tt	ATL/NNCES Stock or SM Coastal Stock	3-Aug-15	Alive, injured	Serious	S6	an animal was reported to the stranding network as having a rope from a crab trap/pot with an attached float wrapped through the mouth around the lower mandible, and extending around the left pectoral flipper	Serious	S7b	No	the citizen on site reported that in order to release the rope he did not cut it, but rather released the tension and unraveled the rope; at this point the citizen had been, and continued to be, in the water with the animal; after removing the rope, the citizen reported that the animal swam away and began to swim in circles, and eventually rested against him in the water; he reported that the animal appeared weak and disoriented, and eventually left him and rested against reeds in the marsh; it is unclear how long the animal rested in this position, however, when responders arrived they observed the animal free swimming in a circular pattern; they noted the animal would change direction if their boat came near to it; no further actions were taken and responders did not observe the animal for long
NNCES Stock or SM Coastal Stock summary (n=1 case): # Serious injuries=1; # Not serious=0; # CBD=0											SI Averted Tally: 0	
STR; commercial blue crab trap/pot gear	NER17-00728 [VAQS2 0171083]	Tt	ATL/ NNCES Stock, NM Coastal Stock, or SM Coastal Stock	23-Oct-17	Alive	Serious	S6, S7a	animal entangled in crab trap/pot gear; 2 lines were attached to its peduncle and flukes (1 black line, 1 white line); the black rope encircled the peduncle at the fluke insertion twice; the white line was twisted along the black line and then encircled the right fluke blade from the leading edge of the right fluke blade and around the fluke notch; 3 crab traps/pots were attached to the animal; the first was an active crab pot with buoy; the second was a derelict crab pot with line and a buoy; the third was pieces of an additional crab pot with a buoy	Serious	S7b	No	animal was disentangled by stranding personnel with the assistance of Virginia Marine Police; during the disentanglement the animal was responsive and had one period of thrashing (<30 sec) but was relatively calm; after disentanglement the animal quickly swam under and away from the boat; it surfaced ~20-25 ft away and appeared to be breathing normally but remained relatively stationary, logging at the surface for ~3 minutes while the lines were being pulled in; responders lost sight of the animal after that; duration of entanglement is unknown, but time of the initial report to disentanglement was about 2 hours 20 minutes
STR; crab trap/pot gear	NER18-00881 [VAQS2 0181089]	Tt	ATL/ NNCES Stock, NM Coastal Stock, or SM Coastal Stock	20-Sep-18	Alive	Serious	S6	citizen reported a dolphin entangled in crab trap/pot gear; the dolphin was entangled in line and a buoy; the line was wrapped around its mandible 4	CBD	S7b	No	separate citizens from the one who made the report disentangled the dolphin from their kayak; the animal was thrashing during the disentanglement effort; all gear

								times and also around its pectoral flippers				was removed and the animal swam away vigorously
NNCES Stock, NM Coastal Stock, or SM Coastal Stock summary (n=2 cases): # Serious injuries=1; # Not serious=0; # CBD=1											SI Averted Tally: 0	
At-Sea	Row 180	Tt	ATL/Northern Florida Coastal Stock	20-May-19	Alive	CBD		a citizen documented an animal with either thick line draped over front of dorsal or thin line sawing through; quality of image is too poor to determine	N/A		N/A	
Northern Florida Coastal Stock summary (n=1 case): # Serious injuries=0; # Not serious=0; # CBD=1											SI Averted Tally: 0	
ITR; vessel strike by 6.4-m research vessel	Tt		ATL/NSCES Stock	20-Jul-17	Alive	Serious	S9	dolphin was struck by a research vessel while travelling; the vessel was a 6.4 m Privateer traveling at about 38 knots; it jumped twice after being struck and then was not seen again; researchers heard a loud thud, at which point they looked back at the motor immediately; neither saw blood at that time or later when they travelled back to look for signs of the dolphin; researchers are unsure which part of the boat hit the dolphin; the first jump (a sort of thrashing movement out of the water) occurred about 15 seconds after the strike in one direction with the second jump occurring a couple of seconds later going in the opposite direction; jumps occurred behind the boat, parallel to the stern, about 30 m away and 15-20 seconds after the strike; both of the dolphin's jumps seemed to have a thrashing style to them – the animal jumped and then landed slightly on its side	N/A		N/A	



STR; commercial blue crab trap/pot gear	SER16-00646 [SC1652]	Tt	ATL/NSCES Stock	5-Nov-16	Alive	Serious	S7a, S8a	calf (~120 cm) entangled in crab trap/pot gear; the line was wrapped a number of times around the base of flukes, body, and through the mouth; line had looped around the animal from the left flipper, through the mouth, and back to the left flipper	Serious	S7b, S15	No	animal was disentangled and released; 2 lacerations and multiple linear abrasions were reported; left flipper appeared slightly compressed and superficially scraped; animal struggled vigorously throughout disentanglement and swam away quickly upon release; unknown duration of entanglement; unknown if young animal was re-united with mother - no other dolphins were sighted in the area during the disentanglement
STR; commercial blue crab trap/pot gear	SER18-00133 [SC1816]	Tt	ATL/NSCES Stock	20-Mar-18	Alive	Serious	S6	dolphin was reported as entangled in and dragging line and trap/pot buoy	CBD		No	USFWS responded to this report and disentangled the animal; abrasions from the line were noted but animal was considered unharmed; no other details on the condition of the animal or duration of entanglement
NSCES Stock summary (n=3 cases): # Serious injuries=2; # Not serious=0; # CBD=1											SI Averted Tally: 0	
ITR; STR; research trawl gear	SER19-01153 [SC1955]	Tt	ATL/South Carolina/Georgia Coastal Stock	13-Oct-19	Alive	Not serious	7b	researchers began hauling back at end of normal tow; once the tail bag reached the surface, they realized something didn't look right and then quickly realized there was a dolphin in tail bag; followed protocol of retrieving gear as quickly as they could using tripper device that allows them to release the tail bag while it is still in the water; researchers got the tail bag up next to the boat and tripped the bag open; they could tell the dolphin was alive and surfacing to breath while in the net; they tripped the bag and dolphin shot right out and swam off; crews' impression was the entanglement occurred during haulback when animals were interacting with their gear; animal believed to be entangled ~5 minutes	N/A		N/A	
MMAP; shrimp trawl fishery		Tt	ATL/South Carolina/Georgia Coastal Stock	18-Aug-15	Alive, uninjured	Not serious	S7b	dependent calf caught in trawl net mouth during haul back for TED inspection; law enforcement on scene freed dolphin; no visible injuries were observed; mother of calf was observed nearby	N/A		N/A	

STR; commercial blue crab trap/pot gear	SER18- 00222 [SC1822 ]	Tt	ATL/South Carolina/Georgia Coastal Stock	2-Apr- 18	Alive	Serious	S7a	initial complainant reported a dolphin entangled in crab trap/pot buoy gear; the complainant saw the dolphin's head only near the buoy; dolphin was stationary with 2 other dolphins circling it; the buoy was bobbing up and down as the dolphin moved up and down; it appeared the animal was anchored	Serious	S7b	No	USCG personnel responded and saw 2 dolphins circling the buoy but no other dolphin; when USCG personnel started pulling the buoy line up, they said it was difficult and 'heavy', and as they were pulling it suddenly became 'light' and easy to pull up; no dolphin was seen by USCG other than the 2 animals circling; animal may have died and sank
<b>South Carolina/Georgia Coastal Stock summary (n=3 cases): # Serious injuries=1; # Not serious=2; # CBD=0</b>											<b>SI Averted Tally: 0</b>	
STR; commercial blue crab trap/pot gear	SER15- 00182	Tt	ATL/South Carolina/Georgia Coastal Stock or SM Coastal Stock	21-Feb- 15	Alive	Serious	S6	beachgoers observed a large adult dolphin surfacing abnormally in shallow water along the edge of a sandbar at ~14:00 during the outgoing tide; at ~14:45 the tide was almost low and the dolphin stranded on the sandbar; it was entangled with a crab trap buoy line around its peduncle attached to a crab pot	Serious	S7b	No	one beachgoer removed the rope from the dolphin's peduncle and called nearby beachgoers for help; a red rope abrasion was noted on the peduncle but dolphin did not appear badly injured; it made a couple vocalizations and was breathing often; at ~15:00 four beachgoers rolled the dolphin onto a boogie board, dragged it ~50 m to water where it was released, in their opinion "unharmd", at ~15:15; the dolphin swam away strongly in an eastward direction
STR; commercial blue crab trap/pot gear	SER17- 00602 [SC1748 ]	Tt	ATL/South Carolina/Georgia Coastal Stock or SM Coastal Stock	11-Dec- 17	Alive	Serious	S6, S7a	a report was received at 08:23 that a dolphin was entangled in a crab trap/pot buoy line and thrashing; animal was anchored to the pot and entangled in the buoy line	CBD	S7b	No	ecotour operator and fire department personnel disentangled the dolphin by 09:15; animal was entangled around the insertion of the flukes and was easily cut away; adult dolphin swam away with only minor lacerations to the tail where the entanglement was; disentanglement took about 10 minutes
<b>South Carolina/Georgia Coastal Stock or SM Coastal Stock summary (n=2 cases): # Serious injuries=1; # Not serious=0; # CBD=1</b>											<b>SI Averted Tally: 0</b>	

ITR & STR; research seine	SER16-00313 [GA2016014]	Tt	ATL/Southern Georgia Estuarine System Stock	29-Apr-16	Alive	Not serious	S7b	researchers were pulling 2 seine nets in tandem when they saw a dolphin swimming fast toward the nets; the dolphin hit the first net, thrashed free and hit the second net just below the water's surface; it rolled repeatedly and thrashed; when it stopped rolling its head was free and it was able to surface to breathe, but it was tangled around the body and tightly around the flukes; 2 people restrained the dolphin while 3-4 others disentangled its flukes; they saw light bleeding on the rostrum and flukes from net abrasions but the dolphin appeared otherwise healthy and not injured; they released it and it swam away quickly	N/A		N/A	
STR; commercial blue crab trap/pot gear	SER15-00213	Tt	ATL/Southern Georgia Estuarine System Stock	3-Apr-15	Alive	Serious	S7a	live dolphin entangled in a crab pot buoy line was reported by recreational boater at 11:15; GDNr staff launched boat and arrived onsite at 11:45; subadult dolphin was entangled around the peduncle at the buoy end of the line with red foam bullet buoy flush against peduncle; dolphin was anchored by the crab pot, surfacing occasionally to breathe, but apparently unable to move	CBD		No	GDNr staff repeatedly approached dolphin and attempted to grab the buoy line with a boat hook and flying grapple mounted on a pole, but dolphin submerged each time; at 12:17 the buoy line was snagged with a throwing grapple, the dolphin's flukes were pulled alongside the boat and the crab pot was pulled into the bow; the line was cinched tightly around peduncle and peduncle was bleeding mildly; the buoy line was cut in one location adjacent to the peduncle and the dolphin swam away gear-free at 12:20; dolphin swam fast to the north and disappeared
STR; commercial blue crab trap/pot gear	SER16-00744 [GA2016033]	Tt	ATL/Southern Georgia Estuarine System Stock	31-Dec-16	Alive	Serious	S7a	citizen reported a dolphin entangled in trap/pot gear; dolphin was entangled near the buoy end of the buoy line, with multiple tight wraps around the left pectoral flipper and neck; it appeared to be anchored by the crab pot below; it was able to swim and surface but remained in the same area	CBD	S7b	No	a response team arrived within 90 minutes of the report; a throwing grapple was used to snag the buoy line between the dolphin and the trap; the trap was brought onboard the vessel and the dolphin was pulled alongside the vessel, restrained, the line was cut loose and the dolphin was released ~35 minutes following the team's arrival; the dolphin was energetic and struggled against the response team; the dolphin did not appear to be injured; the crab pot, buoy line and 3 buoys were collected

STR; synthetic twine/debris	SER17-00466 [GA2017024; Z58; BWK/SAP #2132]	Tt	ATL/Southern Georgia Estuarine System Stock	17-Jun-17	Alive	Serious	S6, S13a	a charter captain photographed a free-swimming dolphin with an entanglement and wound on its dorsal fin on 17-Jun-2017; the entanglement consisted of twine or other small diameter line cutting 5-10 cm into the lower leading edge of the dorsal fin and passing down each side; the rest of the entanglement was not visible, but presumably encircled the dolphin's body; the flukes were not involved; the dolphin was able to move normally and it was in thin body condition	Not serious	S7b	Yes	stranding network responders relocated the dolphin on 27 and 29-Jun-2017 and attempted to cut the line with a pole knife, but were unsuccessful; the entanglement was assessed as life-threatening so the dolphin was monitored until a multi-agency capture and disentanglement could be conducted on 13-Jul-2017; the entanglement was a 53 cm diameter loop of 3-4 mm diameter synthetic orange twine, like the type used on pine straw bales, encircling the dolphin's body loosely, and was easily cut free; there was an open wound where the twine was rubbing inside the dorsal fin, but most of the cut was healing well and there were no other apparent injuries; the wound was cleaned and the dolphin was given an injection of long-acting antibiotics; at time of report preparation, local charterboat captain had sighted this animal as recently as 16-Jul-2018, just over 1 year from the disentanglement
<b>Southern Georgia Estuarine System Stock summary (n=4 cases): # Serious injuries=0; # Not serious=2; # CBD=2</b>											<b>SI Averted Tally: 1</b>	
At-Sea	Row 151	Tt	ATL/SNCES Stock	10-Jan-18	Alive	Serious	S6, S8a	local researchers documented an animal with gillnet gear wrapped tightly around its dorsal fin and trailing off the animal	N/A		N/A	
MMAP; SE ATL gillnet fishery (targeting Spanish mackerel)		Tt	ATL/ SNCES Stock	18-Jul-15	Alive	Serious	S7b	a small dolphin got entangled in the cork line of a commercial gillnet and was there for approx. an hour and was weak and disoriented when released	N/A		N/A	
<b>SNCES Stock summary (n=2 cases): # Serious injuries=2; # Not serious=0; # CBD=0;</b>											<b>SI Averted Tally: 0</b>	
At-Sea	Row 163	Tt	ATL/undefined stock area, (northern Florida estuarine waters)	18-Apr-18	Alive	Not serious	S7b	a fisherman reported an animal entangled in commercial blue crab trap/pot gear; the animal was able to shed the gear on its own and did not require disentanglement	N/A		N/A	

STR; rope/line	SER18-00847 [Hubbs-1851-Tt]	Tt	ATL/undefined stock area, (northern Florida estuarine waters)	8-Aug-18	Alive	Not serious	S7b	researchers documented a 3-month old calf of known mother with rope bridled through its mouth and wrapped around the body with rope trailing along the left side; during observations the calf appeared to be attempting to dislodge the rope by arching, leaping and rolling at the surface across the mother's back; rope impressions were apparent, but no open wounds; an intervention effort was planned for 10-Aug-2018; the calf was quickly located swimming with its mother, free from the entanglement with gear impressions apparent around the head; researchers conducted focal follows to confirm that the calf was no longer entangled; calf was observed swimming normally	N/A		N/A	
STR; commercial blue crab trap/pot gear	SER18-00675 [Hubbs-1847-Tt]	Tt	ATL/undefined stock area, (northern Florida estuarine waters)	30-Nov-18	Alive	Serious	S6	dolphin was entangled around its body or pectoral flipper in crab trap/pot gear including a buoy and the crab pot; video taken shows the animal to be in good condition and moving well despite dragging the gear	CBD	S7b	No	dolphin was disentangled by a citizen; the citizen approached in his boat and cut the line; the animal was caught around the body or pectoral flipper and the citizen was confident the animal was free of all gear
Undefined stock area (northern Florida estuarine waters) summary (n=3 cases): # Serious injuries=0; # Not serious=2; # CBD=1											SI Averted Tally: 0	

**Table 1c. Caribbean Sea**

Source of Data/Fishery Type	Animal ID	Species	Area (ATL, GOM, CAR)/ Stock Name (if known)	Date of Take or Report	Recorded Animal Condition	Initial SI Determination	NMFS 2012 SI Policy Criteria (for Small Cetaceans)	Injury Determination Criteria/Comments	Post-Mitigation SI Determination (N/A is noted for cases without mitigation)	NMFS 2012 SI Policy Criteria (for Small Cetaceans)	SI Averted	Post-Mitigation Injury Determination Criteria/Comments
At-Sea	Row 187	Tt	CAR/Puerto Rico and U.S. Virgin Islands Stock	22-Jun-19	Alive	CBD		tourist reported dolphin entangled in beach seine near cement dock, biologist checked area but found nothing	N/A		N/A	
Puerto Rico and U.S. Virgin Islands Stock summary (n=1 case): # Serious injuries=0; # Not serious=0; # CBD=1											SI Averted Tally: 0	

**TABLE 2: Summary of Small Cetacean<sup>1</sup> Injury Categories and Criteria**

Instructions: Each small cetacean injury event is recorded to the appropriate injury/information category using all available information and scientific judgment, as described in the Procedural Directive. For a single injury event to which several categories apply, the injury determination with the highest level of severity is assigned. More detailed information or extended observation on an individual case/animal may justify a determination differing from the guidance of this table. Any injury leading to apparent significant health decline (e.g., skin discoloration, fat loss) is a serious injury.			
Category	Injury/Information	Injury Determination <sup>2</sup>	Additional factors for evaluating whether “case specific” injuries are serious or non-serious (additional factors at end of table) *
S1	A free-swimming animal observed at a date later than its human interaction, exhibiting signs of declining health believed to be resulting from initial injury (e.g., a marked skin discoloration, fat loss)	SI <sup>3</sup>	
S2	Ingested gear <sup>4</sup> or hook(s)	SI	
S3	Visible blood loss	Case specific <sup>5</sup>	Amount of blood, location of the bleeding injury, duration of bleeding
S4	Animal brought on vessel deck following entanglement/entrapment (excluding scientific research targeting marine mammals and authorized as such under a NMFS scientific research permit, where the animal is brought on and placed on the vessel deck in a controlled manner)	SI	
S5a	Hook(s) in head (excluding criterion S5b), regardless of the presence of gear	SI	
S5b	Hook(s) confirmed in lip only, external tissue outside of teeth, no trailing gear	Case specific	Prolonged restraint or struggle that could lead to capture myopathy, size of hook, depth of hooking, impairing ability to feed, presence of other injuries
S5c	Hook(s) in any body part, but hook(s) is removed or pulls out	Case specific	Prolonged restraint or struggle that could lead to capture myopathy, depth of hook, hook pulls out cleanly vs. causes further injury during dehooking, method used to remove hook, length of time hooked
S5d	Hook(s) in appendage or body (excluding criterion S5a), without trailing gear or with trailing gear that does not have the potential <sup>6</sup> to: 1) become a constricting wrap on animal; 2) be ingested; 3) accumulate drag; or 4) become snagged on something in the environment, anchoring the animal	Case specific	Prolonged restraint or struggle that could lead to capture myopathy, depth and location of hook, type and amount of gear attached

<sup>1</sup> For the purposes of this table, small cetaceans include all odontocetes except sperm whales.

<sup>2</sup> This table includes only those criteria determined to be serious injuries or case specific based on expert opinion at the 2007 Workshop (Andersen *et al.*, 2008) and by small cetacean experts on the NMFS Determination Staff working group. For the purposes of streamlining the information for the reader, criteria determined to be non-serious injuries are not included in this table.

<sup>3</sup> SI = serious injury.

<sup>4</sup> For the purposes of this table, gear is defined as any portion of fishing gear excluding the hook, which is considered separately. Lures are considered gear. Gear also generally refers to any type of debris entangling or attached to the animal.

<sup>5</sup> Case specific = Could be a serious or non-serious injury, but either 1) there is insufficient information about the impact of a particular injury, or 2) additional factors must be considered on a case-by-case basis to determine the severity

<sup>6</sup> For the purposes of this table, “potential” as it relates criterion S5d indicates that the trailing gear IS NOT capable of leading to any of the situations listed.

S6	Gear attached to free-swimming animal with potential <sup>7</sup> to: 1) become a constricting wrap on animal; 2) be ingested; 3) accumulate drag; or 4) become snagged on something in the environment, anchoring the animal	SI	
S7a	Anchored, immobilized, or entrapped and not freed	SI	
S7b	Anchored, immobilized, entangled, or entrapped before being freed without gear attached	Case specific	Duration of entanglement/entrapment, prolonged restraint or struggle that could lead to capture myopathy, gear type, where/how gear is attached to animal, associated injury (i.e., where directly or indirectly caused by initial entanglement), response of individual animal, method used by human to remove gear from animal
S8a	Gear wrapped and constricting on any body part or is likely to become constricting as the animal moves or grows	SI	
S8b	Gear wrapped and loose on any body part	Case specific	Gear type, amount of gear, potential for snag, potential to lead to criterion S8a, animal body size relative to gear (e.g., because of species or age), effect on animal movement, species sensitivity (e.g., frightens easily)
S9	Body trauma <sup>8</sup> not covered by any other criteria	Case specific	Location of wound, depth (e.g., superficial or to the bone, penetrating muscle or organs), length, number of lacerations, cleanliness (i.e., compression vs. tearing)
S10	Visible fracture(s), excluding pectoral fins (see criterion S13d for pectoral fin fractures)	SI	
S11	Vertebral transection, including fully severed flukes	SI	
S12	Body cavity penetration <sup>9</sup> by foreign object or body cavity exposure	SI	
S13a	Loss or disfigurement of dorsal fin	Case specific	Cleanliness (i.e., compression vs. tearing), nature of injury causing the loss, extent of fin loss (i.e., full or partial), amount and duration of blood loss
S13b	Partially severed flukes, transecting midline	SI	

<sup>7</sup> For the purposes of this table, potential as it relates criterion S6 indicates that the trailing gear IS capable of leading to any of the situations listed.

<sup>8</sup> For the purposes of this table, “trauma” is defined as a wound or bodily harm caused by an extrinsic agent. Blunt trauma is an injury (abrasion, laceration, contusion or skeletal fracture) produced by a blunt object striking the body or impact of the body against a blunt object or surface. Sharp force trauma is an injury caused by a sharp or pointed object creating a penetrating (stab, chop or incision) wound. Laceration is defined as a ragged incision or a tearing of the skin. Lacerations are caused by blunt trauma that results in stretching, tearing, crushing, shearing, or avulsion of the tissue.

<sup>9</sup> For the purposes of this table, “penetration” is defined as a wound occurring when a foreign object punctures the body. Penetrating wounds can be characterized as one of three types: stab (small external wound that is greater in length into the body than is apparent on the skin surface), incised (clean cuts into the skin which are longer on the skin surface than they are deep), or chop wounds (incised wounds that penetrate deep to the bone, leaving a groove or cut in the bone).



S13c	Partially severed flukes, not transecting midline	Case specific	Cleanliness (i.e., compression vs. tearing), nature of injury causing the loss, amount and duration of blood loss
S13d	Partially or completely severed or fractured pectoral fin(s)	Case specific	Cleanliness (i.e., compression vs. tearing), nature of injury causing the loss, extent of fin loss (i.e., full or partial), amount and duration of blood loss, opened or closed fracture
S14	Social animal separated from group and/or released alone post-interaction (excluding criterion S15)	Case specific	Species (e.g., sensitivity, offshore vs. inshore), location of release (e.g., likelihood of animal locating its conspecifics)
S15	Dependent animal (i.e., calf, juvenile) released alone post-interaction or dependent animal left with a seriously injured or dead mother	SI	
S16	Observed or reported collision with vessel	Case specific	Speed of vessel, size of vessel, hull shape, part of vessel to strike the animal, size of animal compared to size of vessel, behavior of animal after collision, extent and location of wound(s) on animal

\* Factors listed in the far right column of Table 2 are unique to the associated injury type. In addition to those listed in this column, the factors that should be considered, if available, when reviewing all case specific injury events in Table 2 include, but are not limited to:

- Species
- Age or age class (e.g., calf, juvenile, adult)
- Sex
- Size of animal
- Overall health (e.g., nutritional status, body condition, pre-existing disease state, pre-existing injuries)
- Behavior during and/or after injury-causing interaction (e.g., dorsal arching, listlessness)
- Reproductive status (e.g., pregnant, lactating, has dependent calf)
- Natural history (e.g., indigenous, migratory)
- Location of injury (e.g., mouth, head, body, fin, tail, internal)
- Size of injury
- Duration of injury (e.g., single event, repeated, chronic)
- Depth of injury (e.g., superficial or to the bone, penetrating muscle or organs)
- Cleanliness of injury (e.g., compression, tearing)
- Environmental condition (e.g., individuals out of their normal habitat, climate stressors)
- Social stressors (e.g., social structure of species, separation of social individuals from the group, cow/calf separation)
- Cumulative effects of repeated exposures
- Compounding effects of multiple injuries obtained during a single event
- Availability of data on multiple sequential events involving the same individual over time
- Susceptibility of the species to capture myopathy (spinner dolphins and porpoises notoriously sensitive; bottlenose dolphins robust; many others fall in between, with some unknown)
- Ability of rehabilitated animal to be released
- Relative effect of blood loss on different species

In addition to those factors listed above, the factors that apply to all fishery-interaction related case specific injuries include, but are not limited to:

- Entanglement type (e.g., hooked, anchored, entrapment)
- Amount and size of gear (e.g., size, length and number of branches of line; number of buoys, traps or anchors; volume of netting)
- Entanglement constriction (e.g., tight, loose, multiple wraps)
- Habitat where animal is located (e.g., an animal with trailing gear areas of dense gear or an area with vegetation is more likely to risk snagging the gear and becoming anchored)
- Entanglement duration
- Existence, type and amount of any trailing gear
- Method of handling the animal during disentanglement