| Specie | es Right What | ale WI | hale ID Eg #3 | 420 | | | | |
|------------------|---------------|---------------|---------------|------------|------------------------|------------|-----------|-----------|
| Date first obser | ved entangled | 31 Jan 2009 | | | Case study ID | PCCS | NMFS | GEAR ID |
| (date seen prior | without gear) | (13 Sep 2008) | | | Case study ID | WR-2009-02 | E02-09 | J013109-1 |
| Sex Female | Birth year | 2004 | Age at entai | nglement 5 | Gear sample collected? | Yes | Gear type | |



| Reproductive prior to/af | No/ Yes | | | | | |
|----------------------------|-----------------------------------|------------------|----------|------|--------|--|
| | Moderate | | | | | |
| Entanglement configuration | | | Low | | | |
| Wound severity | Mouth | Head/ Rostrum | Flippers | Body | Flukes | |
| | Low | Low | Medium | Low | Medium | |
| Duration of time | Minimum 12 days, maximum 347 days | | | | | |
| | No | | | | | |
| | Alive - Last sighted in 2014 | | | | | |
| Number of prior entangleme | 1 | | | | | |
| | | | | | | |

| Entanglement configuration | Line through mouth and twisted together to form a loop on the right shoulder with both lengths of line trailing aft of the flukes by ~40 feet. |
|-------------------------------|--|
| Anchoring point(s) | Mouthline |
| Gear configuration confidence | Low |
| Remaining questions | Unclear if the line wrapped the right flipper |
| Comments | Whale was telemetry-tagged and gear was later shed. |

| | Polymer type | Polysteel |
|------------------------|---------------|--------------|
| G | ear component | |
| Rope diameter (inches) | | 7/16 (0.437) |
| Breaking | Tested | 3 200 |
| strength (lbs) | New | 4 100 |

This case study was developed under NOAA Award # NA09NMF4520413 to the Consortium for Wildlife Bycatch Reduction, administered at the New England Aquarium, Boston, MA, USA (available at www.bycatch.org). See: Knowlton, A.R., J. Robbins, S. Landry, H.A. McKenna, S.D. Kraus, T. B. Werner. 2015. Effects of fishing rope strength on the severity of large whale entanglements. Conservation Biology DOI: 10.1111/cobi.12590





31 Jan 2009 NEA



Need to get info for this image. It was not on the list I made up, but it was in the image folder on FTP site. This case study was developed under NOAA Award # NA09NMF4520413 to the Consortium for Wildlife Bycatch Reduction, administered at the New England Aquarium, Boston, MA, USA (available at www.bycatch.org). See: Knowlton, A.R., J. Robbins, S. Landry, H.A. McKenna, S.D. Kraus, T. B. Werner. 2015. Effects of fishing rope strength on the severity of large whale entanglements. Conservation Biology DOI: 10.1111/cobi.12590

DATA SHEET

FORENSIC ANALYSIS OF ROPES WHALE ENTANGLEMENT PROJECT

SPECIMEN ID NO.

NMFS NO.

J013109rw

E02-09

Gear Description:

This limited specimen did not allow determination as to use. The unraveled green line (J0101309-2) is spliced into the grey line (J013109-1) and may have been a gangion for a trap. If so, the line could be a ground line. A small section of the grey line was also recovered and showed considerable damage.



Rope description:

J013109-1 A 7 /₁₆ inch polysteel float line. Size was reported as 3 /₈ inch but it is closer to 7 /₁₆ inch. One strand contains a yellow yarn and two green tracers parallel to the yellow yarn. There are 7 total yarns per strand plus a center yarn.

| Tested (T) or adjusted (A) strength | Typical new strength | Rope condition |
|-------------------------------------|----------------------|----------------|
| 3,320 lbs (A) | 4,100 lbs | Fair |



J013109-1