

## *Supplementary Material*

# **Characterizing the Duration and Severity of Fishing Gear Entanglement on a North Atlantic Right Whale (*Eubalaena glacialis*) Using Stable Isotopes, Steroid and Thyroid Hormones in Baleen**

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**Table 1:** Field sighting records for right whale *Eg2301*. These data were analyzed through a data-sharing agreement with the North Atlantic Right Whale Consortium and were obtained from the North Atlantic Right Whale Catalog ([www.rwcatalog.neaq.org](http://www.rwcatalog.neaq.org)).

| Whale ID | Age | Year | Month | Day | Latitude | Longitude | Location                   | Behaviors     |
|----------|-----|------|-------|-----|----------|-----------|----------------------------|---------------|
| 2301     | 0   | 1993 | 2     | 12  | 2848.5   | 8043.4    | Florida (USA)              | CALF W/MOTHER |
| 2301     | 0   | 1993 | 3     | 29  | 3050.2   | 8113.1    | Georgia (USA)              | CALF W/MOTHER |
| 2301     | 0   | 1993 | 3     | 30  | 3107.8   | 8112.1    | Georgia (USA)              | CALF W/MOTHER |
| 2301     | 0   | 1993 | 7     | 17  | 4435.0   | 6635.3    | Bay of Fundy (Canada)      | CALF W/MOTHER |
| 2301     | 0   | 1993 | 8     | 22  | 4442.2   | 6619.9    | Bay of Fundy (Canada)      | CALF W/MOTHER |
| 2301     | 0   | 1993 | 8     | 27  | 4438.3   | 6626.8    | Bay of Fundy (Canada)      | CALF W/MOTHER |
| 2301     | 0   | 1993 | 8     | 30  | 4440.1   | 6627.0    | Bay of Fundy (Canada)      | CALF W/MOTHER |
| 2301     | 1   | 1994 | 9     | 13  | 4446.4   | 6629.6    | Bay of Fundy (Canada)      |               |
| 2301     | 1   | 1994 | 9     | 21  | 4440.3   | 6620.7    | Bay of Fundy (Canada)      |               |
| 2301     | 1   | 1994 | 9     | 26  | 4439.9   | 6630.4    | Bay of Fundy (Canada)      |               |
| 2301     | 2   | 1995 | 8     | 10  | 4433.9   | 6628.3    | Bay of Fundy (Canada)      |               |
| 2301     | 2   | 1995 | 9     | 8   | 4433.9   | 6628.0    | Bay of Fundy (Canada)      |               |
| 2301     | 2   | 1995 | 9     | 19  | 4438.5   | 6628.6    | Bay of Fundy (Canada)      |               |
| 2301     | 3   | 1996 | 1     | 23  | 3023.4   | 8107.4    | Florida (USA)              |               |
| 2301     | 3   | 1996 | 1     | 24  | 3026.2   | 8105.4    | Florida (USA)              |               |
| 2301     | 3   | 1996 | 1     | 30  | 3017.5   | 8108.7    | Florida (USA)              |               |
| 2301     | 3   | 1996 | 2     | 1   | 3018.2   | 8106.7    | Florida (USA)              |               |
| 2301     | 3   | 1996 | 2     | 8   | 3129.7   | 8053.5    | Georgia (USA)              |               |
| 2301     | 3   | 1996 | 2     | 13  | 3041.3   | 8107.2    | Florida (USA)              |               |
| 2301     | 3   | 1996 | 2     | 15  | 3021.2   | 8104.5    | Florida (USA)              |               |
| 2301     | 3   | 1996 | 8     | 31  | 4416.5   | 6711.1    | Grand Manan Basin (Canada) |               |
| 2301     | 4   | 1997 | 1     | 1   | 3038.3   | 8116.0    | Florida (USA)              |               |
| 2301     | 4   | 1997 | 8     | 2   | 4442.7   | 6626.9    | Bay of Fundy (Canada)      |               |
| 2301     | 4   | 1997 | 8     | 10  | 4437.9   | 6630.9    | Bay of Fundy (Canada)      |               |
| 2301     | 4   | 1997 | 8     | 23  | 4440.8   | 6623.7    | Bay of Fundy (Canada)      |               |
| 2301     | 4   | 1997 | 8     | 27  | 4433.0   | 6631.6    | Bay of Fundy (Canada)      |               |
| 2301     | 4   | 1997 | 12    | 29  | 3103.0   | 8111.8    | Georgia (USA)              |               |
| 2301     | 5   | 1998 | 1     | 10  | 3101.6   | 8109.4    | Georgia (USA)              |               |
| 2301     | 5   | 1998 | 1     | 10  | 3101.4   | 8109.6    | Georgia (USA)              |               |
| 2301     | 5   | 1998 | 1     | 18  | 3007.5   | 8055.4    | Florida (USA)              |               |

| Whale ID | Age | Year | Month | Day | Latitude | Longitude | Location                  | Behaviors |
|----------|-----|------|-------|-----|----------|-----------|---------------------------|-----------|
| 2301     | 5   | 1998 | 1     | 25  | 3041.6   | 8054.2    | Florida (USA)             |           |
| 2301     | 5   | 1998 | 8     | 4   | 4438.9   | 6628.9    | Bay of Fundy (Canada)     |           |
| 2301     | 5   | 1998 | 8     | 5   | 4440.4   | 6629.3    | Bay of Fundy (Canada)     |           |
| 2301     | 5   | 1998 | 8     | 6   | 4437.9   | 6632.6    | Bay of Fundy (Canada)     |           |
| 2301     | 5   | 1998 | 8     | 13  | 4442.8   | 6620.2    | Bay of Fundy (Canada)     |           |
| 2301     | 6   | 1999 | 1     | 9   | 3108.0   | 8059.0    | Georgia (USA)             |           |
| 2301     | 6   | 1999 | 5     | 17  | 4154.3   | 6813.4    | Great South Channel (USA) |           |
| 2301     | 6   | 1999 | 5     | 17  | 4152.6   | 6813.7    | Great South Channel (USA) |           |
| 2301     | 6   | 1999 | 7     | 18  | 4441.6   | 6623.8    | Bay of Fundy (Canada)     |           |
| 2301     | 6   | 1999 | 8     | 31  | 4440.5   | 6625.1    | Bay of Fundy (Canada)     |           |
| 2301     | 6   | 1999 | 9     | 2   | 4443.8   | 6622.7    | Bay of Fundy (Canada)     |           |
| 2301     | 6   | 1999 | 9     | 2   | 4444.6   | 6622.3    | Bay of Fundy (Canada)     |           |
| 2301     | 7   | 2000 | 2     | 2   | 3245.3   | 7916.8    | South Carolina (USA)      |           |
| 2301     | 7   | 2000 | 2     | 13  | 3022.9   | 8107.9    | Florida (USA)             |           |
| 2301     | 7   | 2000 | 4     | 27  | 4123.7   | 6907.4    | Great South Channel (USA) |           |
| 2301     | 7   | 2000 | 6     | 20  | 4247.4   | 6908.5    | Gulf of Maine (USA)       |           |
| 2301     | 7   | 2000 | 6     | 20  | 4247.1   | 6908.6    | Gulf of Maine (USA)       |           |
| 2301     | 7   | 2000 | 6     | 20  | 4247.2   | 6910.8    | Gulf of Maine (USA)       |           |
| 2301     | 7   | 2000 | 6     | 28  | 4245.7   | 6911.6    | Gulf of Maine (USA)       |           |
| 2301     | 8   | 2001 | 4     | 4   | 4115.8   | 6917.3    | Great South Channel (USA) |           |
| 2301     | 8   | 2001 | 4     | 17  | 4139.6   | 6905.0    | Great South Channel (USA) |           |
| 2301     | 8   | 2001 | 6     | 1   | 4158.6   | 6847.3    | Great South Channel (USA) |           |
| 2301     | 8   | 2001 | 6     | 1   | 4158.4   | 6848.8    | Great South Channel (USA) |           |
| 2301     | 8   | 2001 | 7     | 26  | 4438.0   | 6623.2    | Bay of Fundy (Canada)     |           |
| 2301     | 8   | 2001 | 7     | 27  | 4438.9   | 6629.2    | Bay of Fundy (Canada)     |           |
| 2301     | 8   | 2001 | 7     | 28  | 4435.4   | 6631.3    | Bay of Fundy (Canada)     |           |
| 2301     | 8   | 2001 | 8     | 12  | 4438.3   | 6625.9    | Bay of Fundy (Canada)     |           |
| 2301     | 8   | 2001 | 8     | 12  | 4438.1   | 6626.5    | Bay of Fundy (Canada)     |           |
| 2301     | 8   | 2001 | 8     | 14  | 4439.4   | 6626.6    | Bay of Fundy (Canada)     |           |
| 2301     | 8   | 2001 | 8     | 14  | 4436.9   | 6628.2    | Bay of Fundy (Canada)     |           |

| Whale ID | Age | Year | Month | Day | Latitude | Longitude | Location                  | Behaviors                                |
|----------|-----|------|-------|-----|----------|-----------|---------------------------|------------------------------------------|
| 2301     | 8   | 2001 | 8     | 14  | 4436.5   | 6628.7    | Bay of Fundy (Canada)     |                                          |
| 2301     | 8   | 2001 | 8     | 15  | 4436.6   | 6625.8    | Bay of Fundy (Canada)     |                                          |
| 2301     | 8   | 2001 | 8     | 15  | 4436.4   | 6625.6    | Bay of Fundy (Canada)     |                                          |
| 2301     | 8   | 2001 | 8     | 16  | 4435.8   | 6627.2    | Bay of Fundy (Canada)     |                                          |
| 2301     | 8   | 2001 | 9     | 20  | 4431.1   | 6623.5    | Bay of Fundy (Canada)     |                                          |
| 2301     | 9   | 2002 | 5     | 5   | 4130.7   | 6911.6    | Great South Channel (USA) |                                          |
| 2301     | 9   | 2002 | 5     | 6   | 4111.6   | 6907.1    | Great South Channel (USA) |                                          |
| 2301     | 9   | 2002 | 6     | 3   | 4120.8   | 6851.7    | Great South Channel (USA) |                                          |
| 2301     | 9   | 2002 | 6     | 13  | 4127.0   | 6918.2    | Great South Channel (USA) |                                          |
| 2301     | 9   | 2002 | 6     | 13  | 4127.2   | 6917.9    | Great South Channel (USA) |                                          |
| 2301     | 9   | 2002 | 12    | 31  | 3034.8   | 8113.8    | Florida (USA)             | W/CALF                                   |
| 2301     | 10  | 2003 | 1     | 25  | 3034.5   | 8119.5    | Florida (USA)             | W/CALF                                   |
| 2301     | 10  | 2003 | 1     | 26  | 3035.8   | 8117.2    | Florida (USA)             | W/CALF                                   |
| 2301     | 10  | 2003 | 2     | 12  | 3037.0   | 8109.0    | Florida (USA)             | W/CALF                                   |
| 2301     | 10  | 2003 | 2     | 14  | 3038.0   | 8114.0    | Florida (USA)             | W/CALF                                   |
| 2301     | 10  | 2003 | 7     | 17  | 4135.7   | 6934.9    | Great South Channel (USA) | W/CALF                                   |
| 2301     | 10  | 2003 | 8     | 12  | 4436.3   | 6628.6    | Bay of Fundy (Canada)     |                                          |
| 2301     | 10  | 2003 | 8     | 12  | 4435.4   | 6627.3    | Bay of Fundy (Canada)     |                                          |
| 2301     | 10  | 2003 | 8     | 14  | 4440.2   | 6628.5    | Bay of Fundy (Canada)     | W/CALF                                   |
| 2301     | 10  | 2003 | 8     | 26  | 4436.4   | 6629.2    | Bay of Fundy (Canada)     | W/CALF                                   |
| 2301     | 10  | 2003 | 9     | 7   | 4436.7   | 6627.6    | Bay of Fundy (Canada)     | W/CALF                                   |
| 2301     | 10  | 2003 | 9     | 7   | 4438.1   | 6628.5    | Bay of Fundy (Canada)     | W/CALF                                   |
| 2301     | 10  | 2003 | 9     | 17  | 4435.2   | 6619.8    | Bay of Fundy (Canada)     | W/CALF                                   |
| 2301     | 10  | 2003 | 9     | 18  | 4421.0   | 6624.7    | Bay of Fundy (Canada)     |                                          |
| 2301     | 11  | 2004 | 9     | 6   | 4249.0   | 6536.3    | Roseway Basin (Canada)    | ENTANGLED                                |
| 2301     | 11  | 2004 | 9     | 22  | 4333.3   | 6576.4    | Roseway Basin (Canada)    | ENTANGLED,<br>DISENTANGLEMENT<br>ATTEMPT |
| 2301     | 11  | 2004 | 12    | 8   | 3555.0   | 7535.0    | North Carolina (USA)      | ENTANGLED                                |
| 2301     | 12  | 2005 | 3     | 3   | 3714.8   | 7548.3    | Virginia (USA)            | CARCASS LOCATED                          |