

Variability in Body Condition and Growth Rates for Rehabilitated Harbor Seal (*Phoca vitulina*) Pups

Supplementary Tables

Sarah J. Teman,¹ Denise J. Greig,^{2,3} Sarah M. Wilkin,³ and Joseph K. Gaydos¹

¹*The SeaDoc Society, Karen C. Drayer Wildlife Health Center–Orcas Island Office, University of California Davis
School of Veterinary Medicine, 942 Deer Harbor Road, Eastsound, WA 98245, USA
E-mail: sjteman@ucdavis.edu*

²*California Academy of Sciences, 55 Music Concourse Drive, San Francisco, CA 94118, USA*

³*Marine Mammal Health and Stranding Response Program, Office of Protected Resources,
National Marine Fisheries Service, National Oceanic and Atmospheric Administration,
1315 East-West Highway, Silver Spring, MD 20910, USA*

Table S1. The range for each variable computed from the median absolute deviation (MAD) method as described by Leys et al. (2013) to determine outliers in the dataset. *The lower bound was effectively zero as we did not include cases that had a negative length gain or negative daily average weight gain.

| Variable | Median (\bar{x}) | Median absolute deviation (MAD) | Range ($\bar{x} \pm (3 * \text{MAD})$) |
|------------------------------------|----------------------|---------------------------------|--|
| Weight gain in rehabilitation (kg) | 14.65 | 4.225 | 1.974, 27.326 |
| Length gain in rehabilitation (cm) | 15.00 | 7.413 | -7.239*, 37.239 |
| Release weight (kg) | 23.20 | 3.736 | 11.992, 34.408 |
| Release length (cm) | 89.00 | 5.930 | 71.209, 106.791 |
| Average daily weight gain (kg/d) | 0.202 | 0.075 | -0.024*, 0.428 |

Table S2. List of facilities on the continental East and West Coasts of the United States that provided long-term rehabilitation for releasable harbor seals (*Phoca vitulina*) during any period between 2005 to 2020, including facilities no longer in operation

| Name | Coast (State) |
|--|----------------------|
| Marine Animal Lifeline | East (Maine) |
| University of New England Marine Animal Rehabilitation Center | East (Maine) |
| Marine Mammals of Maine | East (Maine) |
| New England Aquarium | East (Massachusetts) |
| National Marine Life Center | East (Massachusetts) |
| Mystic Aquarium | East (Connecticut) |
| New York Marine Rescue Center (formerly Riverhead Foundation for Marine Research and Preservation) | East (New York) |
| Marine Mammal Stranding Center | East (New Jersey) |
| Marine Education, Research and Rehabilitation Institute | East (Delaware) |
| National Aquarium | East (Maryland) |
| Virginia Aquarium and Marine Science Center | East (Virginia) |
| Progressive Animal Welfare Society | West (Washington) |
| Wolf Hollow Wildlife Rehabilitation Center | West (Washington) |
| Oregon Coast Aquarium | West (Oregon) |
| Northcoast Marine Mammal Center | West (California) |
| The Marine Mammal Center | West (California) |
| Pacific Marine Mammal Center | West (California) |
| Santa Barbara Marine Mammal Center | West (California) |
| Channel Islands Marine and Wildlife Institute | West (California) |
| Marine Mammal Care Center of Los Angeles | West (California) |
| SeaWorld San Diego | West (California) |

Rehabilitated Harbor Seal Morphometrics

Table S3. Count of rehabilitated and released harbor seals by coast and by the state within each coast that had the greatest number of cases (East Coast = Maine; West Coast = California). **Note:** Data entry in the national database is incomplete for California in 2005.

| Year | East Coast | Maine | West Coast | California |
|-------|------------|-------|------------|------------|
| 2005 | 45 | 43 | 32 | 5 |
| 2006 | 34 | 34 | 35 | 13 |
| 2007 | 6 | 6 | 55 | 38 |
| 2008 | 25 | 25 | 37 | 29 |
| 2009 | 16 | 16 | 62 | 53 |
| 2010 | 18 | 17 | 74 | 61 |
| 2011 | 11 | 9 | 42 | 32 |
| 2012 | 12 | 12 | 62 | 53 |
| 2013 | 15 | 13 | 47 | 40 |
| 2014 | 8 | 7 | 44 | 41 |
| 2015 | 3 | 2 | 97 | 85 |
| 2016 | 11 | 11 | 89 | 88 |
| 2017 | 7 | 4 | 71 | 60 |
| 2018 | 8 | 6 | 44 | 37 |
| 2019 | 11 | 10 | 63 | 58 |
| 2020 | 7 | 7 | 33 | 32 |
| Total | 237 | 222 | 887 | 725 |