

The following supplement accompanies the article

Population characteristics, age structure, and growth dynamics of neritic juvenile green turtles in the northeastern Gulf of Mexico

Larisa Avens^{1,*}, Lisa R. Goshe¹, Craig A. Harms², Eric T. Anderson², April Goodman Hall¹,
Wendy M. Cluse³, Matthew H. Godfrey³, Joanne Braun-McNeill¹, Brian Stacy⁴, Rhonda Bailey⁵, Margaret M. Lamont⁶

¹NOAA Fisheries, Southeast Fisheries Science Center, Beaufort Laboratory, 101 Pivers Island Road, Beaufort, North Carolina 28516, USA

²North Carolina State University College of Veterinary Medicine, Center for Marine Sciences and Technology, Morehead City, North Carolina 28557, USA

³North Carolina Wildlife Resources Commission, 1507 Ann St., Beaufort, North Carolina 28516, USA

⁴NOAA/National Marine Fisheries Service/Protected Resources, University of Florida, College of Veterinary Medicine, Large Animal Clinical Sciences, Gainesville, Florida 32608, USA

⁵Florida Fish and Wildlife Conservation Commission, Fish and Wildlife Research Institute, 100 8th Avenue SE, St. Petersburg, Florida 33701, USA

⁶Department of Wildlife Ecology and Conservation, University of Florida, Gainesville, Florida 32611, USA

*Email: larisa.avens@noaa.gov

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Supplement 1. Additional figure

Fig. S1. *Chelonia mydas*. Graphical summary of the generalized additive models (GAMs) and generalized additive mixed models (GAMMs) used to characterize the influence of different covariates on growth rates of green turtles stranded dead during the January 2010 cold stun event in St. Joseph Bay, Florida. (a, b, c, d) GAM_{SCL} , (e, f, g, h) GAM_{Age} , (i, j, k) $GAMM_{SCL}$, (l, m, n) $GAMM_{Age}$. SCL is the mean straightline carapace length for the growth interval, BCI is body condition index calculated as Fulton's K, Sex is female or male, as determined through examination of gonads during necropsy, FP is the fibropapilloma score of each turtle at necropsy with 0 indicating no FP symptoms and 1 denoting observation of FP tumors, and Year is the estimated calendar year for each growth increment. Statistical output for each model is summarized in Table 6 in the main paper. For each factor plotted, the solid line at the center represents the mean growth response (on a response scale centered around 0) for the covariate conditioned upon the other covariates included in the model, and the dashed lines represent the extent of the 95% Bayesian credible interval. The 'rugs' or short, vertical lines above the horizontal axes represent the numbers and/or distributions of covariate values







