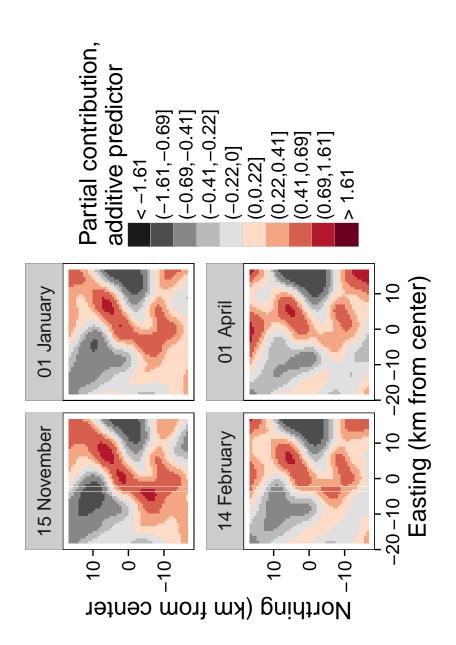
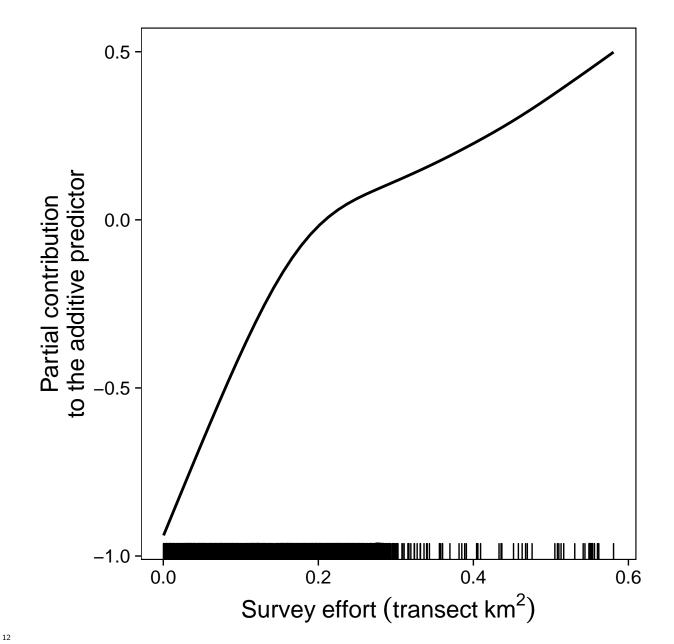
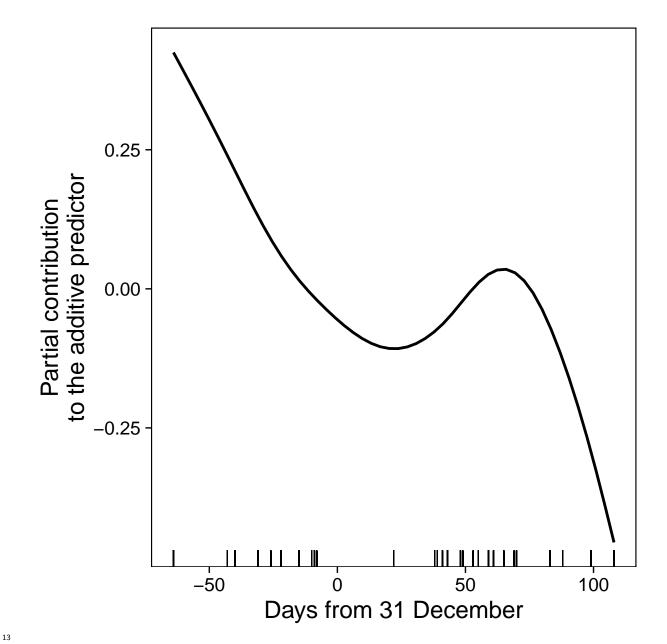
Appendix S6. Scoter stable covariate effects

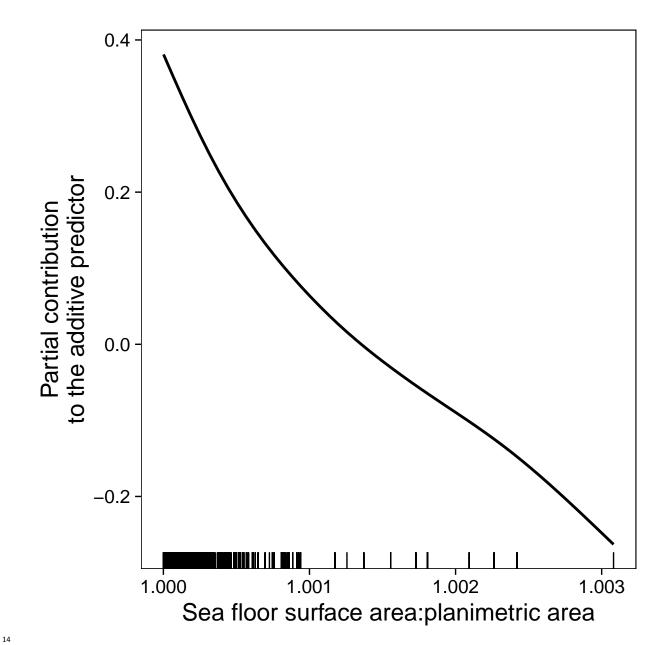
- ² Marginal functional plots of the relationships between covariates (controlling for all other
- variables; i.e., at their mean values) and the occupancy, conditional mean abundance,
- 4 and conditional overdispersion of abundance of scoters (Black, Surf, and White-winged
- ⁵ Scoter) in Nantucket Sound, Massachusetts, USA. Covariate plots are ordered roughly
- 6 in descending order of the magnitude of their influence on the additive predictor in each
- model (or model parameter for count models). Vertical lines along the x-axis (i.e., rug
- 8 plots) indicate observed covariate values. Covariates (and any abbreviations) are defined in
- 9 detail in Appendix S2; only effects selected to be stable (see Appendix S1) are depicted.

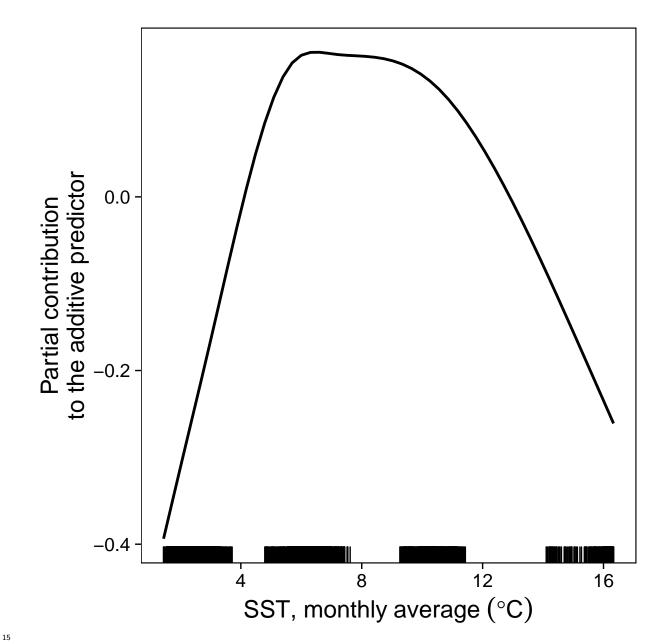
10 Occupancy

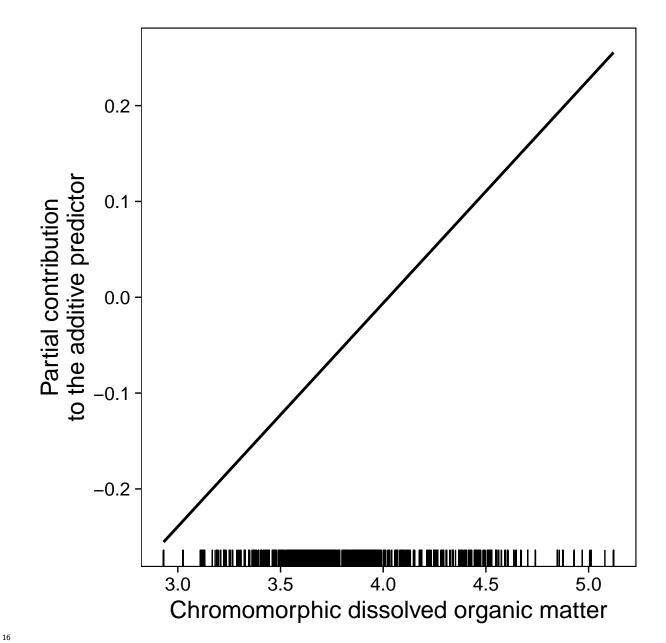


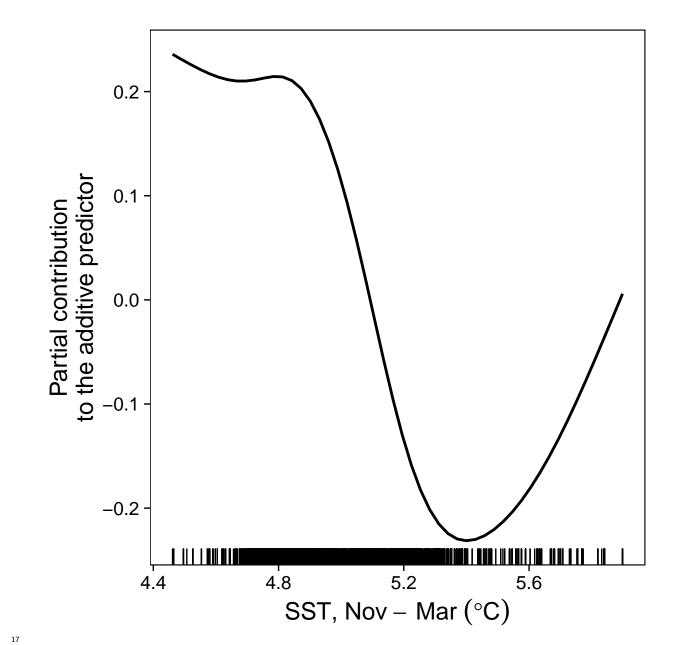


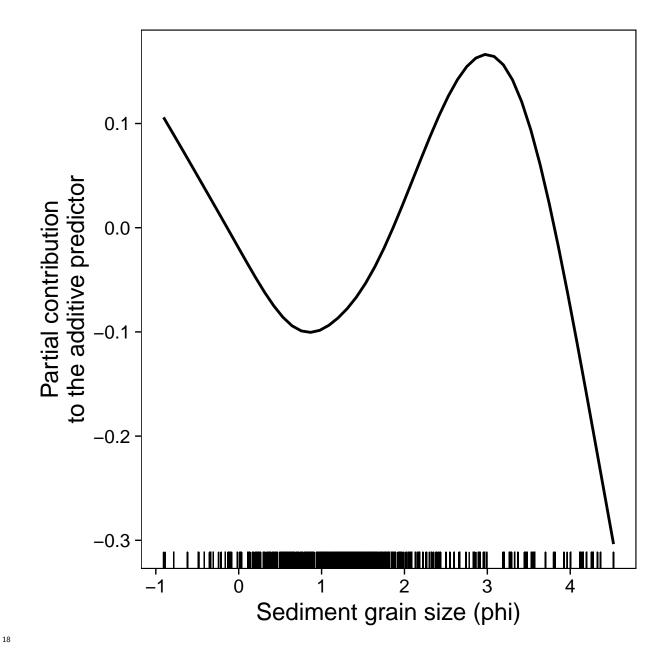


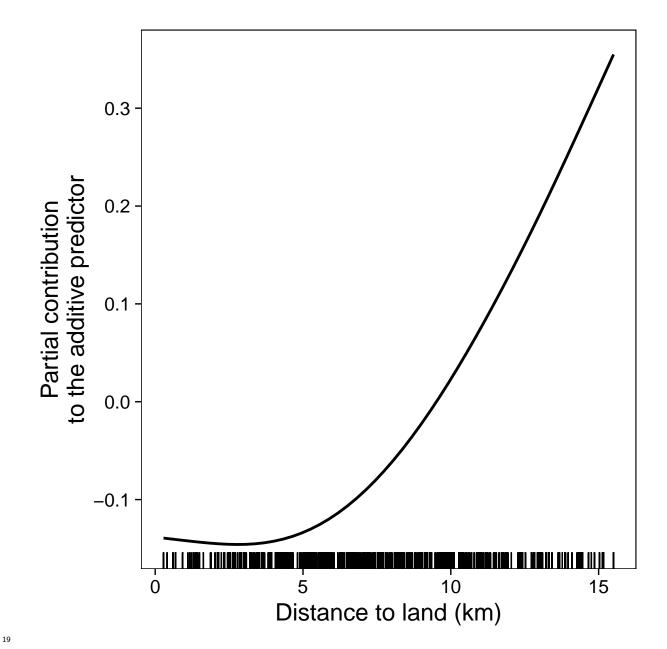


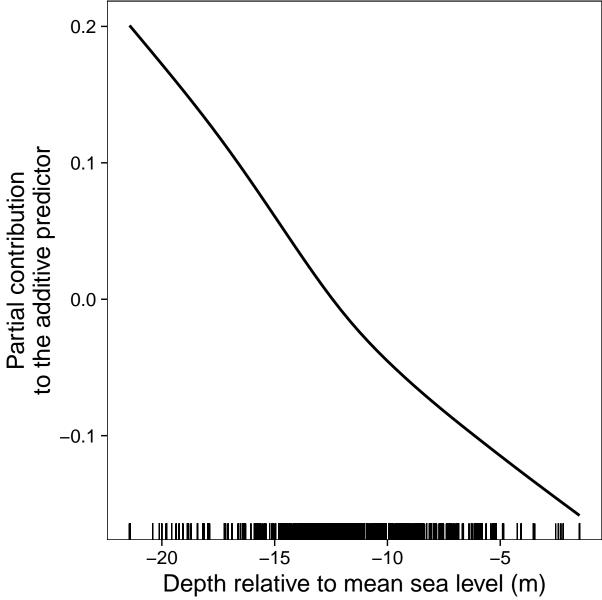


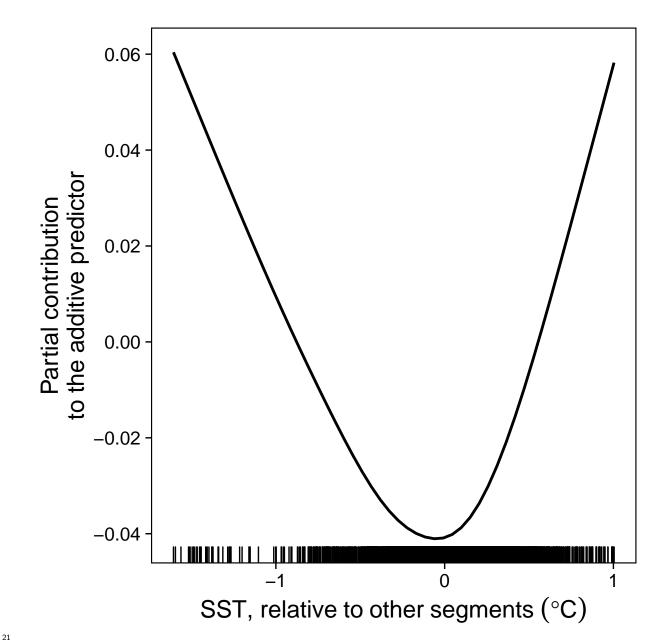




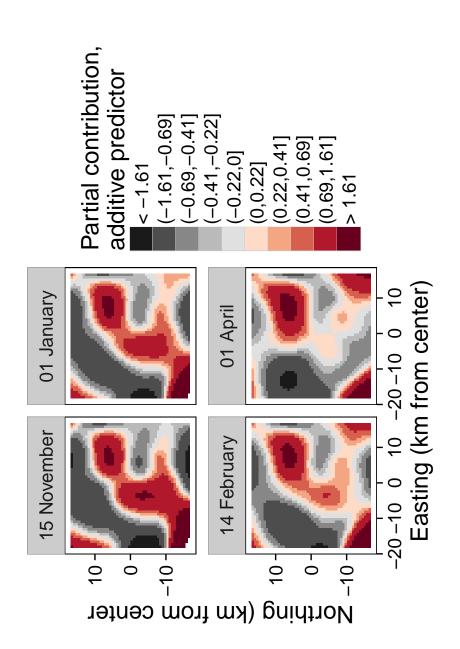


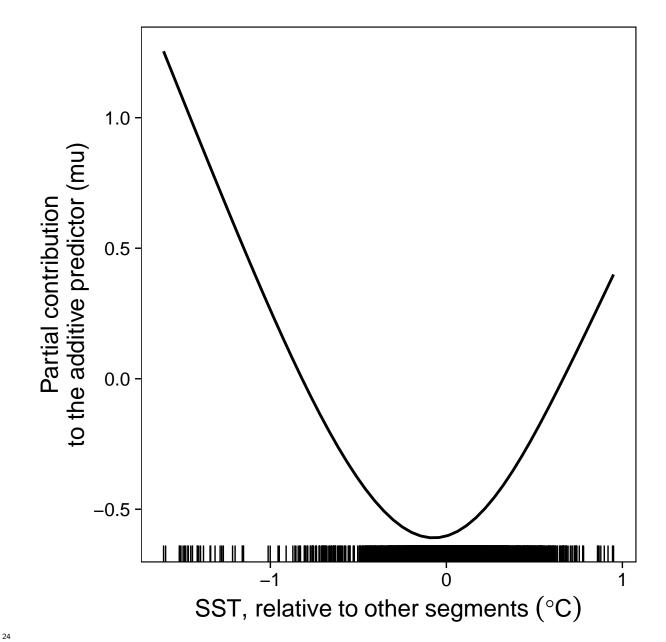


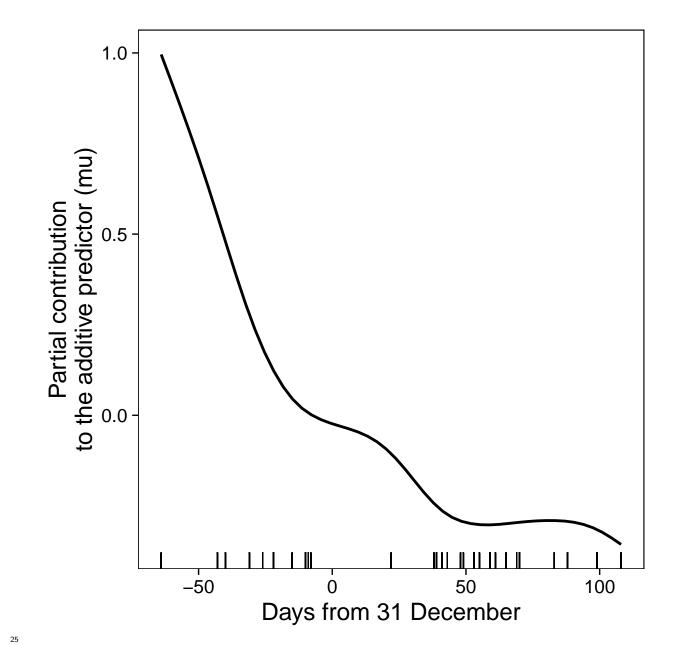


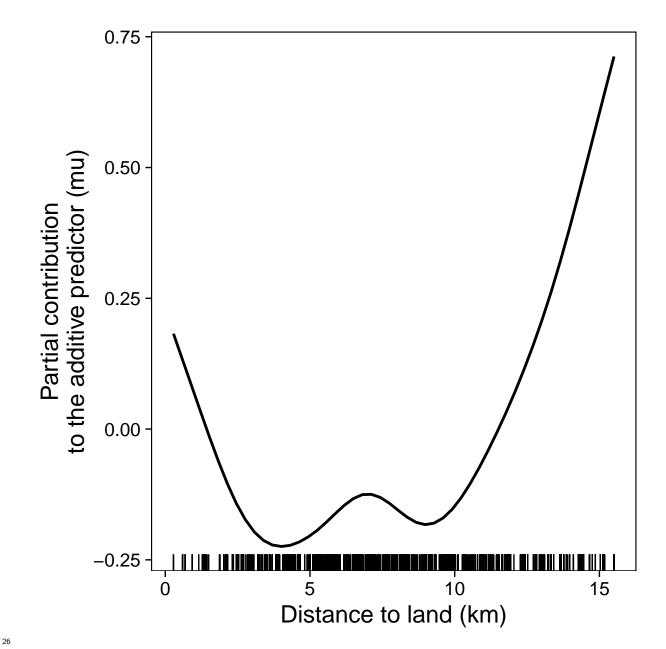


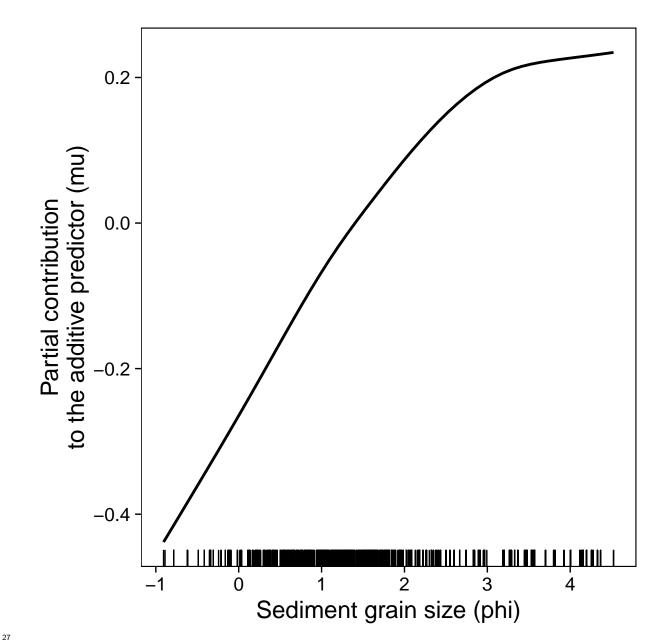
22 Conditional mean











²⁸ Conditional overdispersion

