**Supplementary Material**

**Bycatch of loggerhead turtle (*Caretta caretta*) in the Italian Adriatic pelagic pair trawl fishery**

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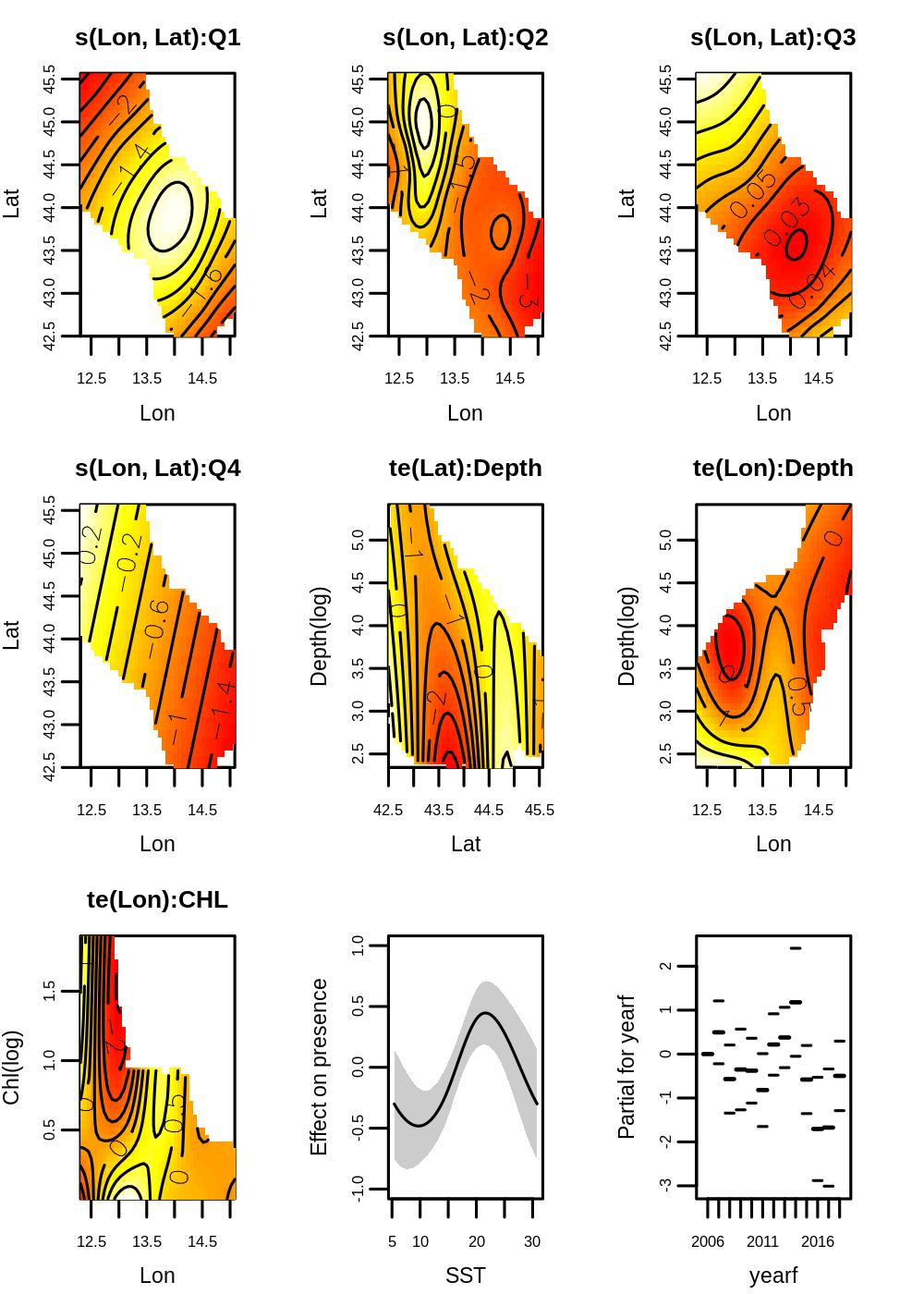
This document includes:

**Supplementary Figure 1**

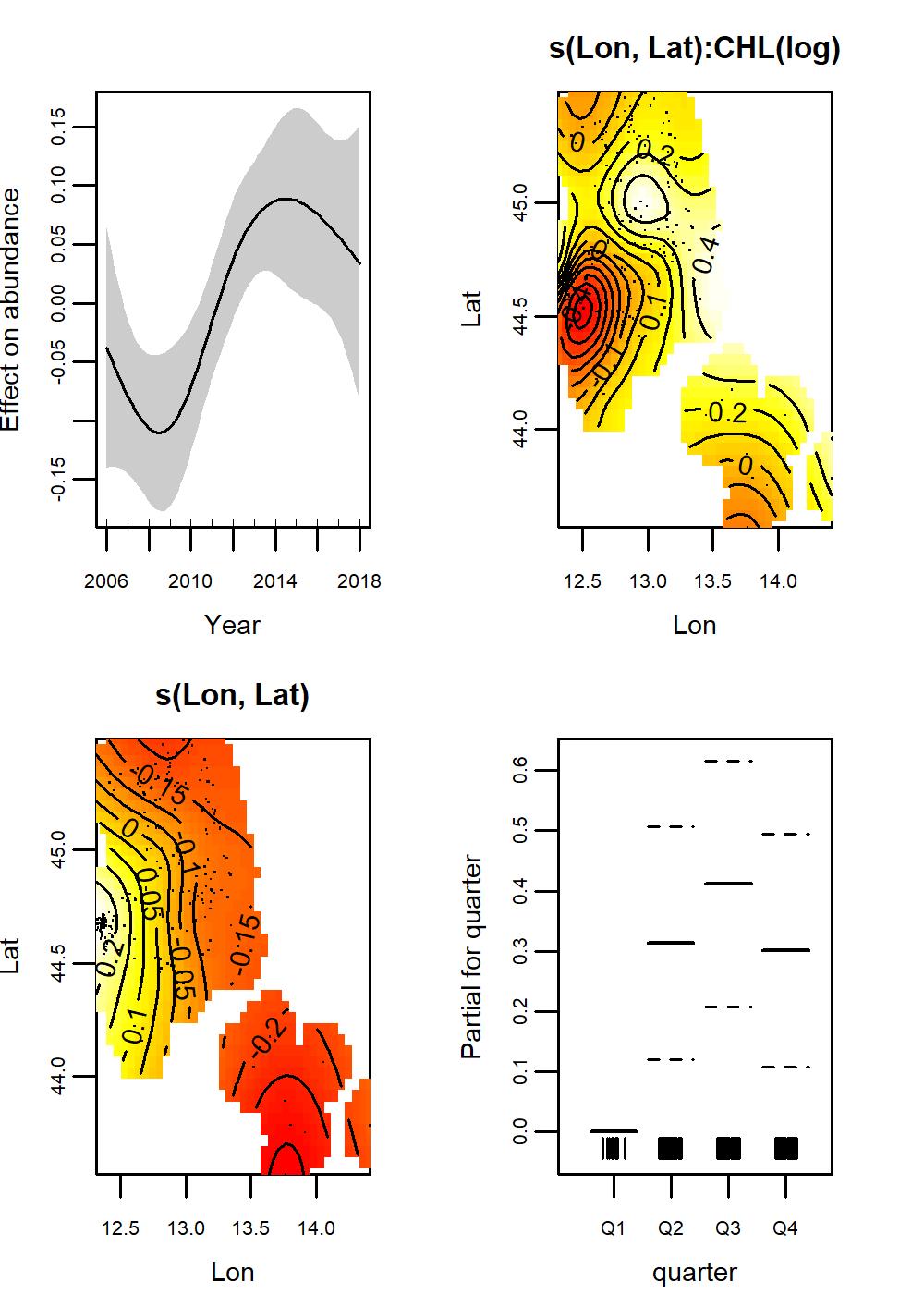
**Supplementary Figure 2**

**Supplementary Figure 3**

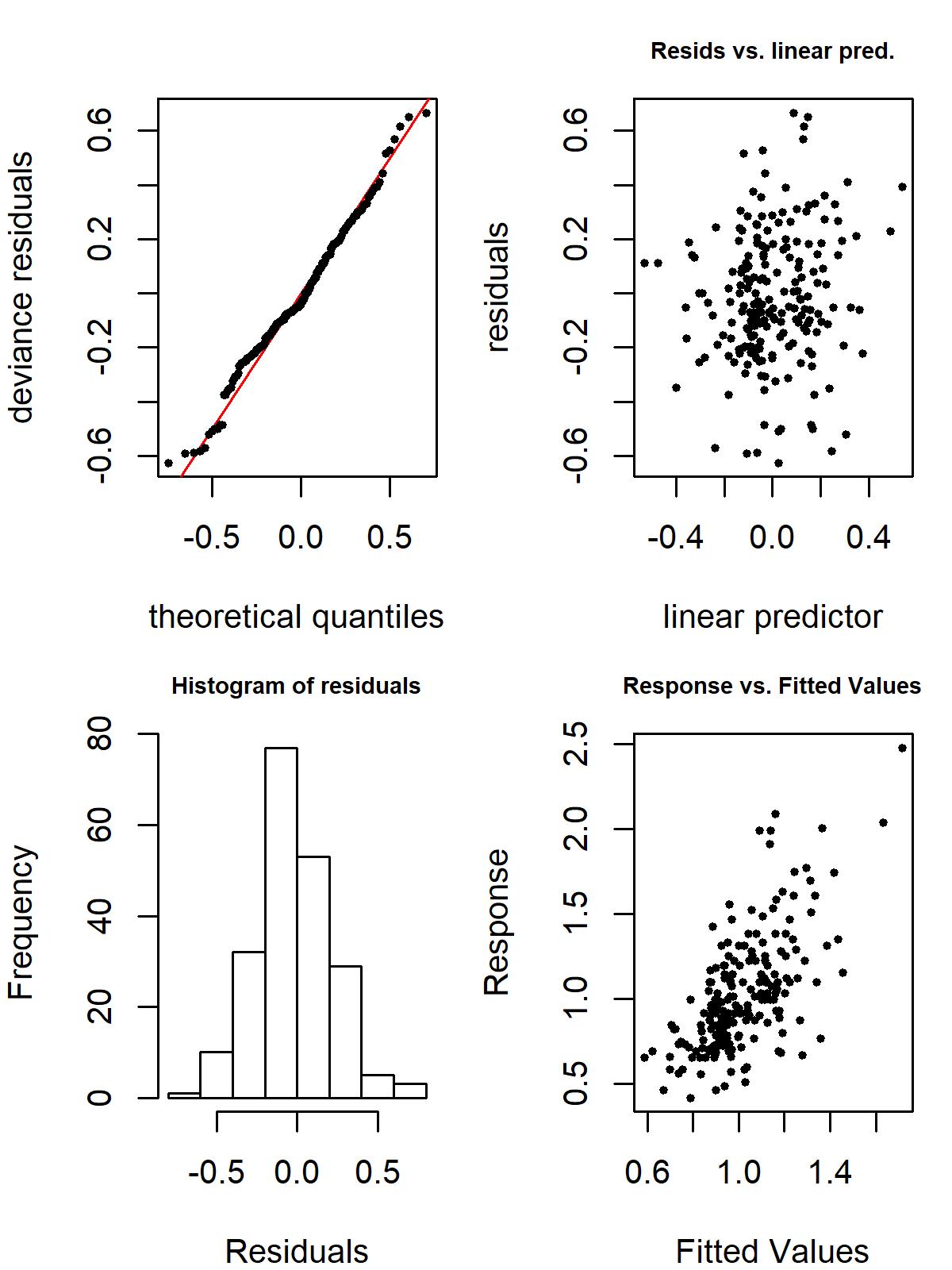
**Supplementary Figure 4**



**Supplementary Figure 1.** Generalized additive model-derived effects of covariates used to model the presence/absence of loggerhead turtles in the northern central Adriatic Sea during 2006–2018. In the bivariate predictor map, longitude-latitude interaction by quarter, the solid line is the estimate of the smooth function. In the univariate predictor plots, the solid line is the estimate of the smooth function, and the grey area indicates 95% confidence intervals. The effect of parametric predictor is reported as boxplot, solid lines indicate the median value and dashed the 75% quantile.



**Supplementary Figure 2.** Generalized additive model-derived effects of covariates used to model the abundance of loggerhead turtles in the northern central Adriatic Sea during 2006–2018. In the bivariate predictor map, longitude-latitude interaction by quarter, the solid line is the estimate of the smooth function, and the black dots indicate haul locations with positive catch. In the univariate predictor plot, the solid line is the estimate of the smooth function, the grey area indicates 95% confidence interval. The effect of parametric predictor is reported as boxplot, solid lines indicate the median value and dashed the 75% quantile.

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**Supplementary Figure 3**. Residual plots of abundance model of loggerhead turtles in the northern central Adriatic Sea during 2006–2018.

**Supplementary Figure 4.** Distribution ofChlorophyll concentrations expressed in log[g/m3] in the northern central Adriatic Sea at quarterly base.

