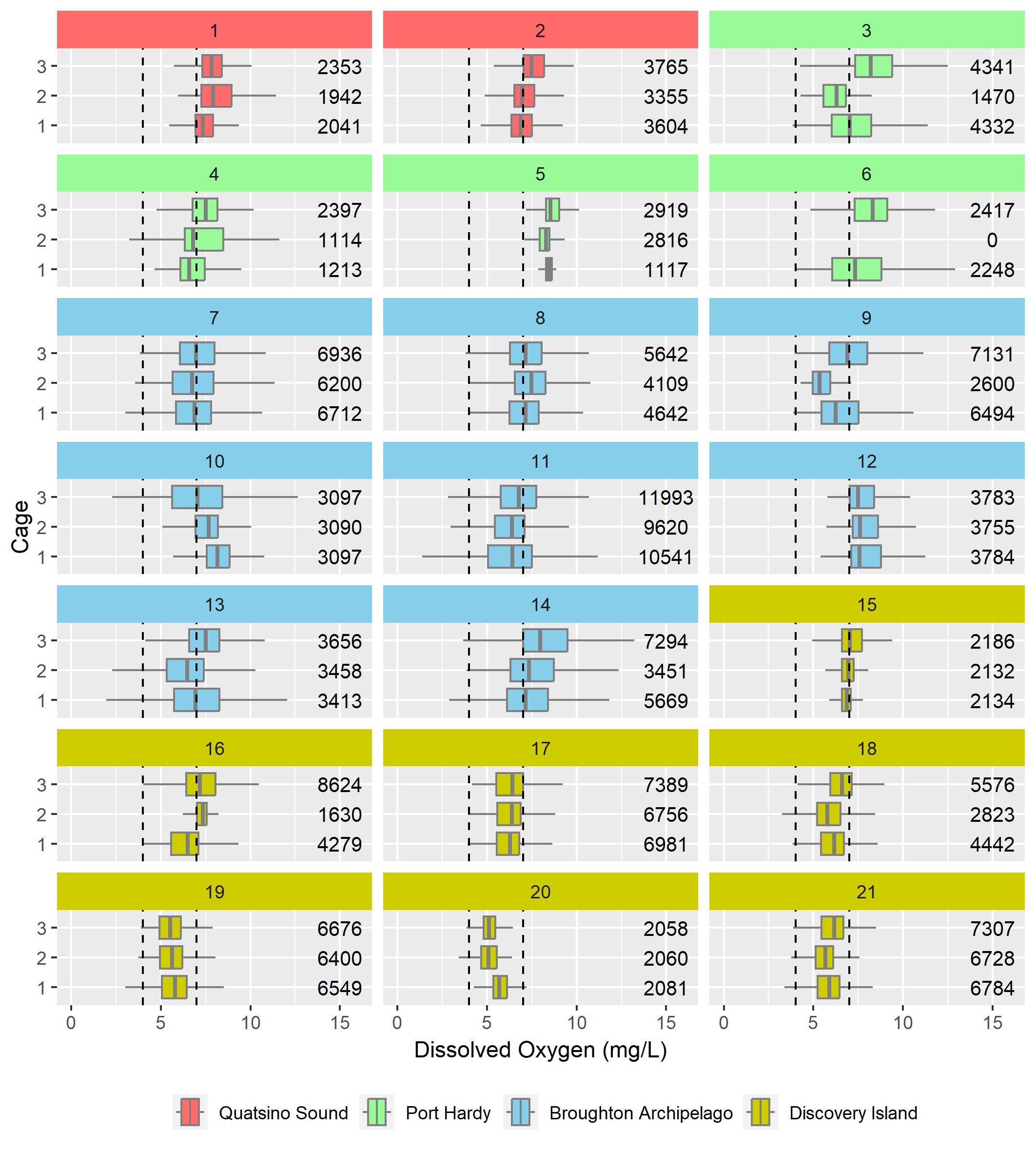
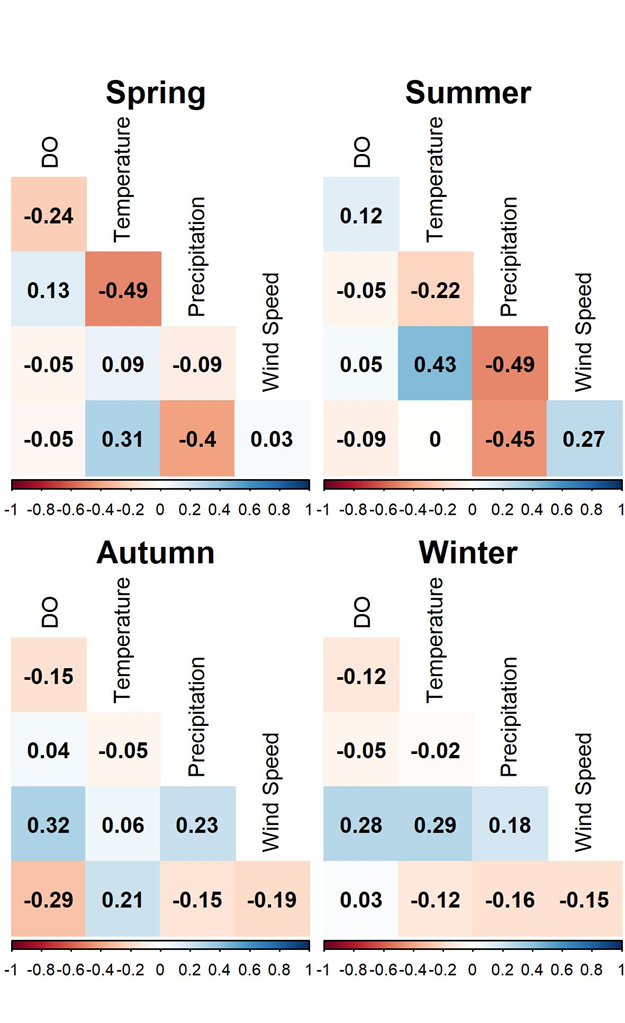
**Longitudinal dissolved oxygen patterns in Atlantic salmon aquaculture sites in British Columbia, Canada**

Supplementary Material

**Supplementary Figure 1.** Distribution of hourly dissolved oxygen (DO) levels from 21 aquaculture sites (each with 3 cages, except Site 6). The number of observations are presented on the right of each boxplot. The black vertical dashed lines are placed at 4 and 7 mg/L cutoff values, based on the Production Impairment Classification for stressed, sub-optimal, and optimal DO levels, respectively. The color for each site corresponds to its respective aquaculture area in British Columbia (see Figure 1).



**Supplementary Figure 2.** Spearman’s correlation matrix of daily minimum dissolved oxygen (DO), daily maximum temperature, daily total precipitation, daily wind speed (max. gust above 30 km/h), and daily regionally-averaged *a*ph(443) coefficients, stratified by seasons.