Ecosystem CO_2 flux of a lake habitat with submerged vegetation

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Supplement

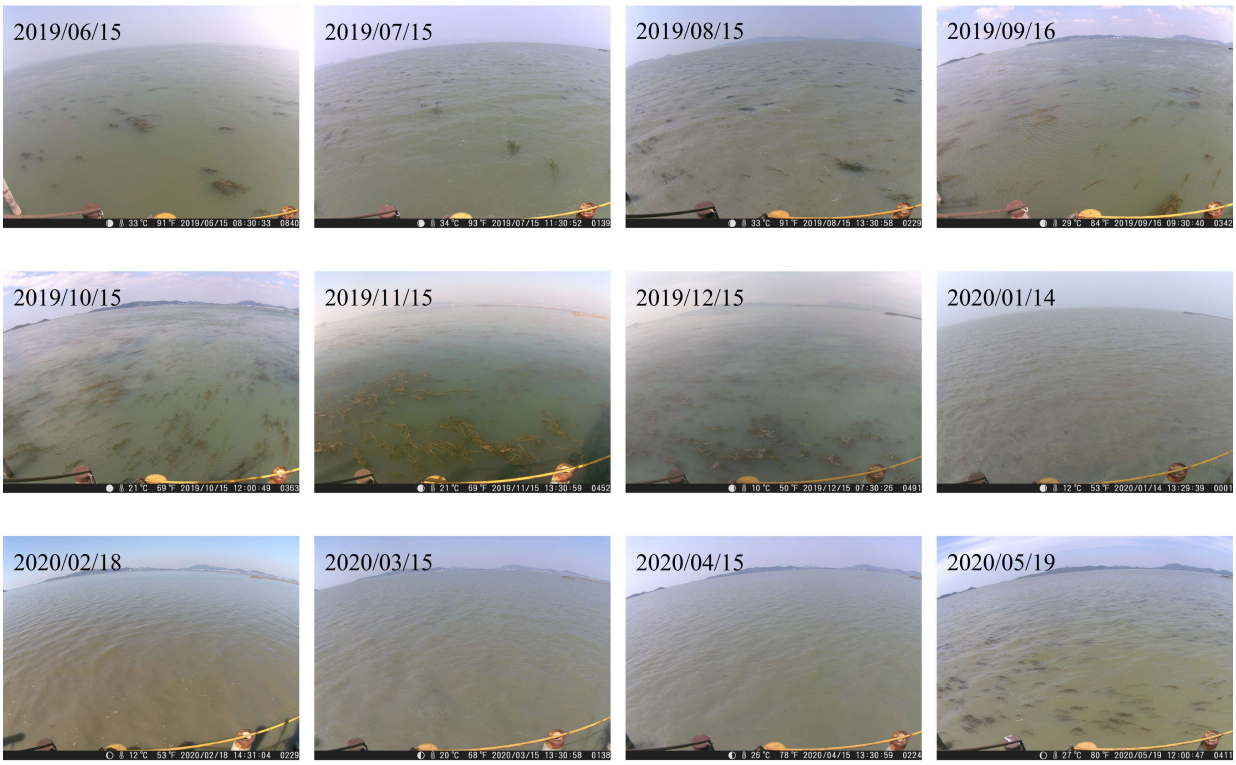


Figure S1. True-color photographs showing seasonal variations in aquatic vegetation cover at the BFG site from June 2019 to May 2020

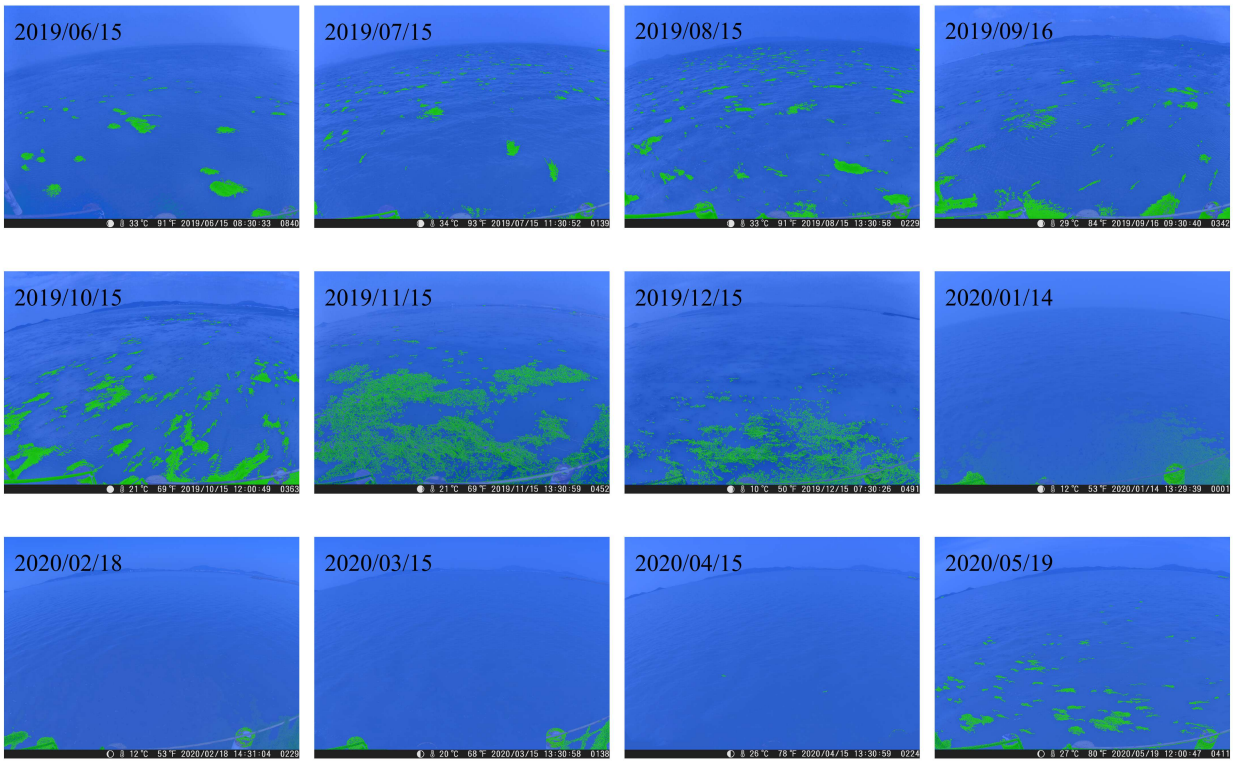


Figure S2. Same as Fig. S1 except that colors are adjusted to highlight vegetation coverage.

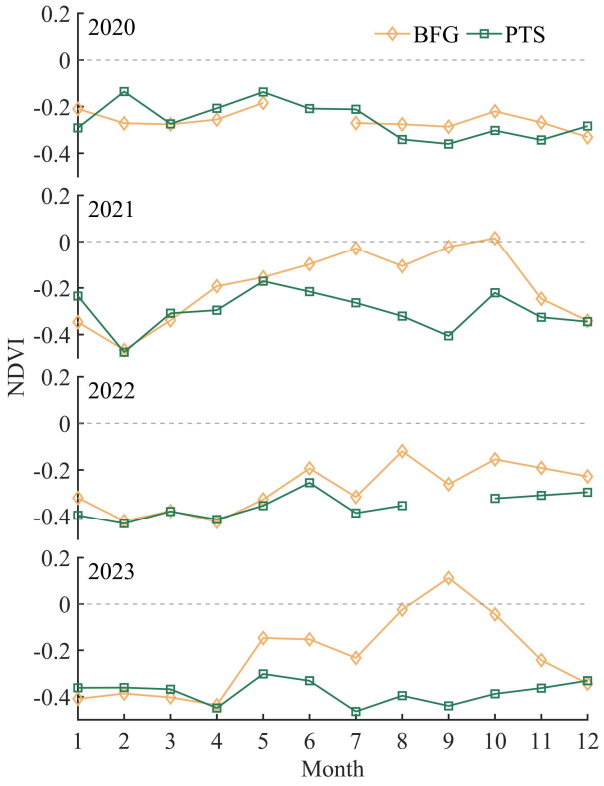


Figure S3. Comparison of monthly NDVI between the BFG site with submerged vegetation and the PTS site (open water, no macrophytes).

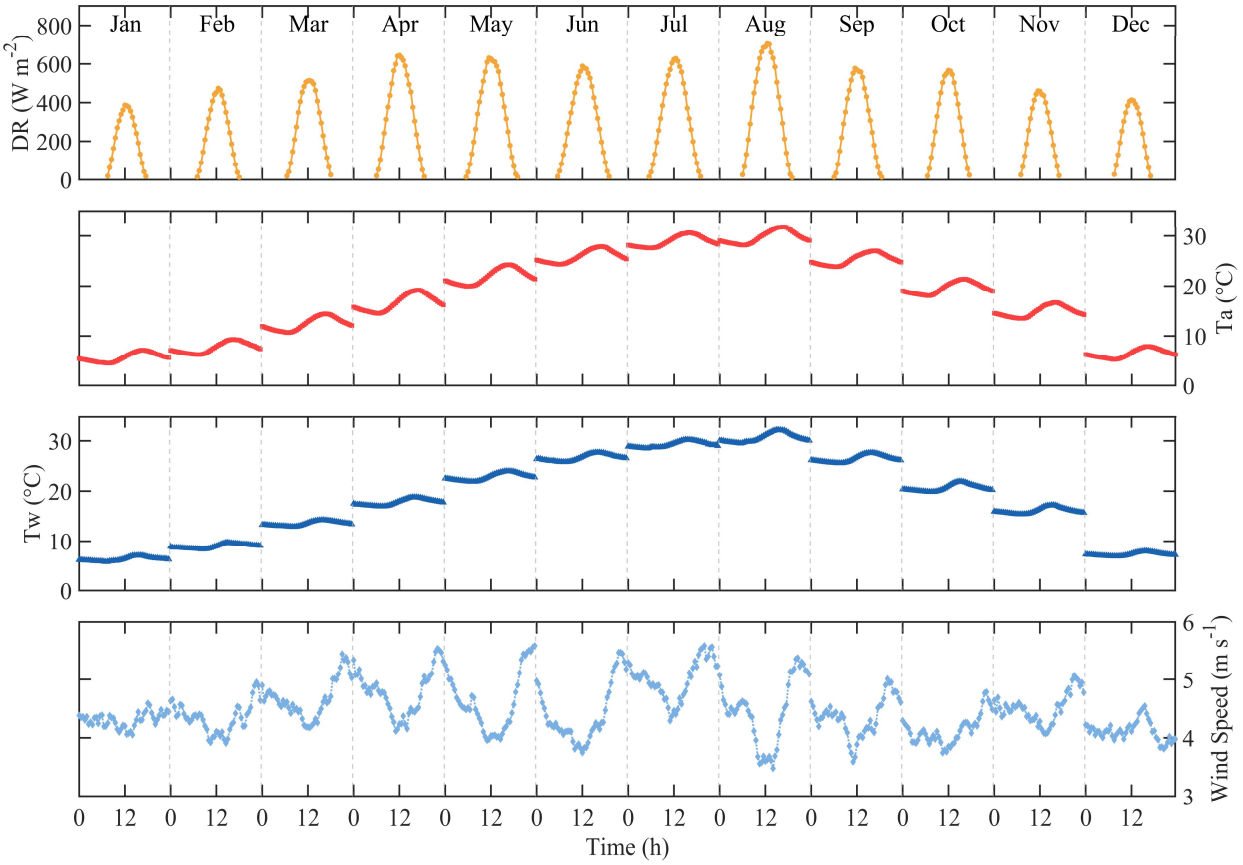


Figure S4. Monthly mean diurnal patterns of downward solar radiation (DR), air temperature (Ta), water temperature at 20 cm depth (Tw), and wind speed.

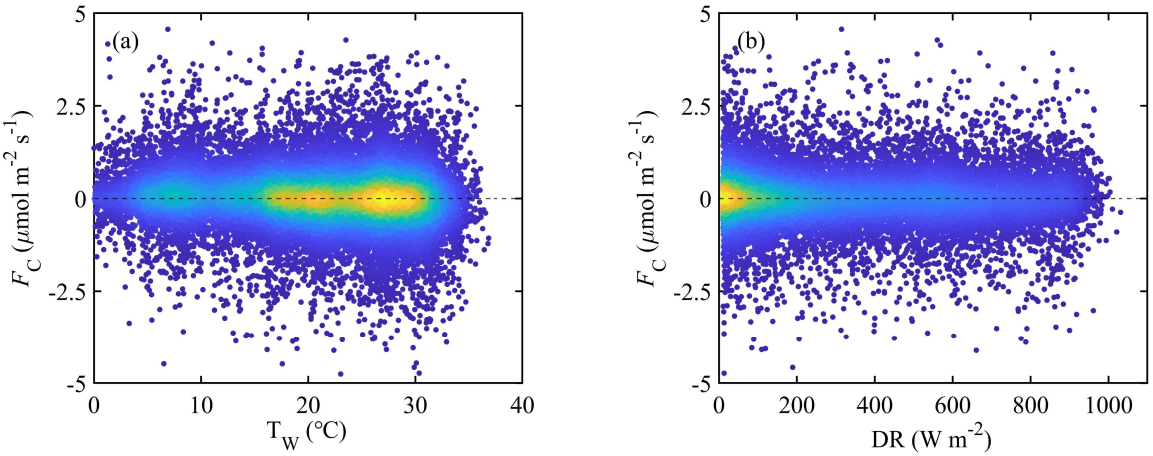


Figure S5. Half-hourly flux as a function of water temperature at 20-cm depth (a) and downward solar radiation (b). Both daytime and nighttime data are presented in panel a. Only daytime data are presented in panel b. Color indicates data density.

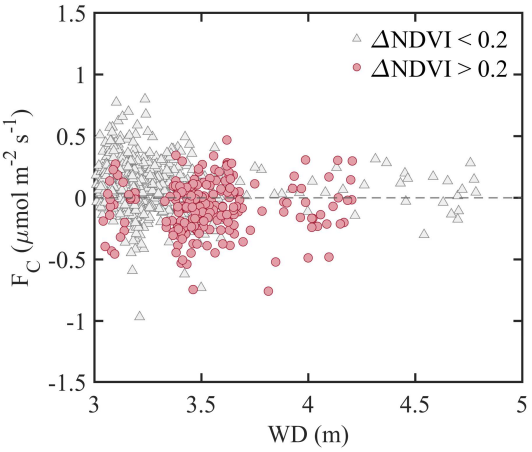


Figure S6. Daily CO_2 flux as a function of water depth.