

Supporting Information for “Emergent anthropogenic trends in California Current upwelling”

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Introduction

We include one supplemental figure that compares the seasonal cycle of upwelling from the historical epoch (1925-1954) to the future epoch (2071-2100). Here, we quantify total seasonal upwelling for each ensemble member by computing the product of the upwelling rate (m day^{-1}) and number of days in each month, excluding months with negative \vec{w} . This gives us the average total meters of upwelling across a given region for each simulation. In Figure S1, we report the ensemble average of this metric. We use this figure in Section 3 of the manuscript to discuss possible ecosystem implications of a changing CCS upwelling seasonality.

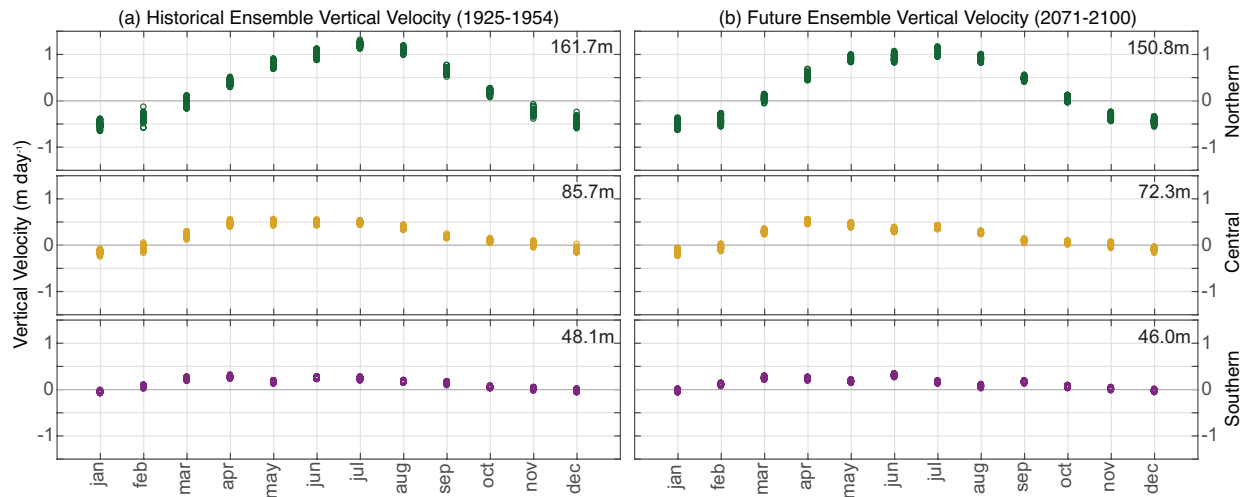


Figure S1. Historical epoch (1925-1954) and future epoch (2071-2100) \bar{w} by month and region. Each of the 40 ensemble members are plotted as an individual circle. Values in the top right of each panel are the ensemble average total meters of upwelling during upwelling season. This was computed for each simulation by integrating the product of the monthly upwelling rate and the number of days in each month (excluding downwelling months).