Supplementary material
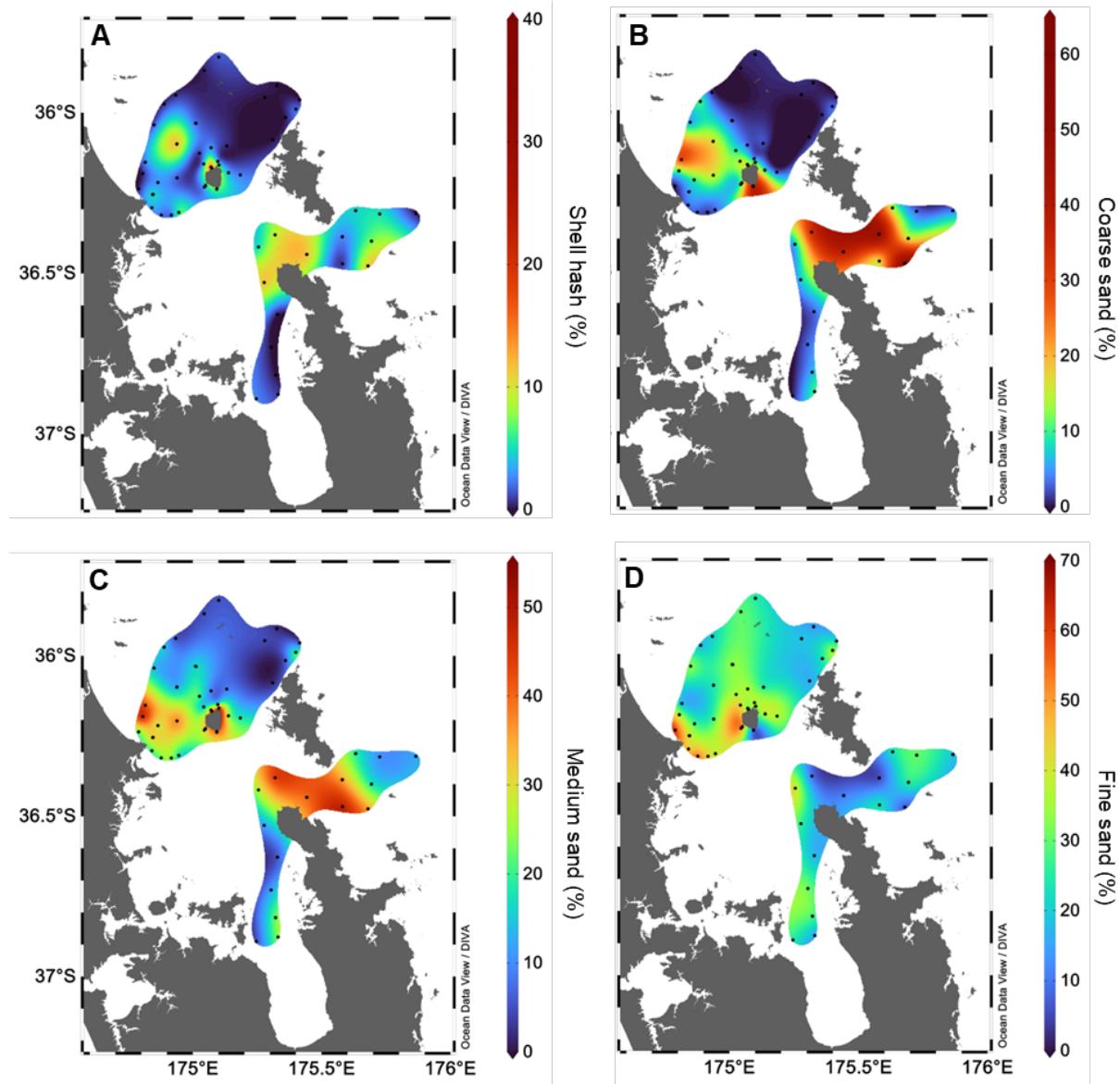
Figure S1: Contents of A) shell hash (>2000 μm), B) coarse sand (500 – 2000 μm), C) medium sand (250 – 500 μm) and D) fine sand (63 – 250 μm) at the sampling sites (black dots) in the Hauraki Gulf, New Zealand. Data were spatially interpolated using DIVA in Ocean Data View (Schlitzer, 2025).
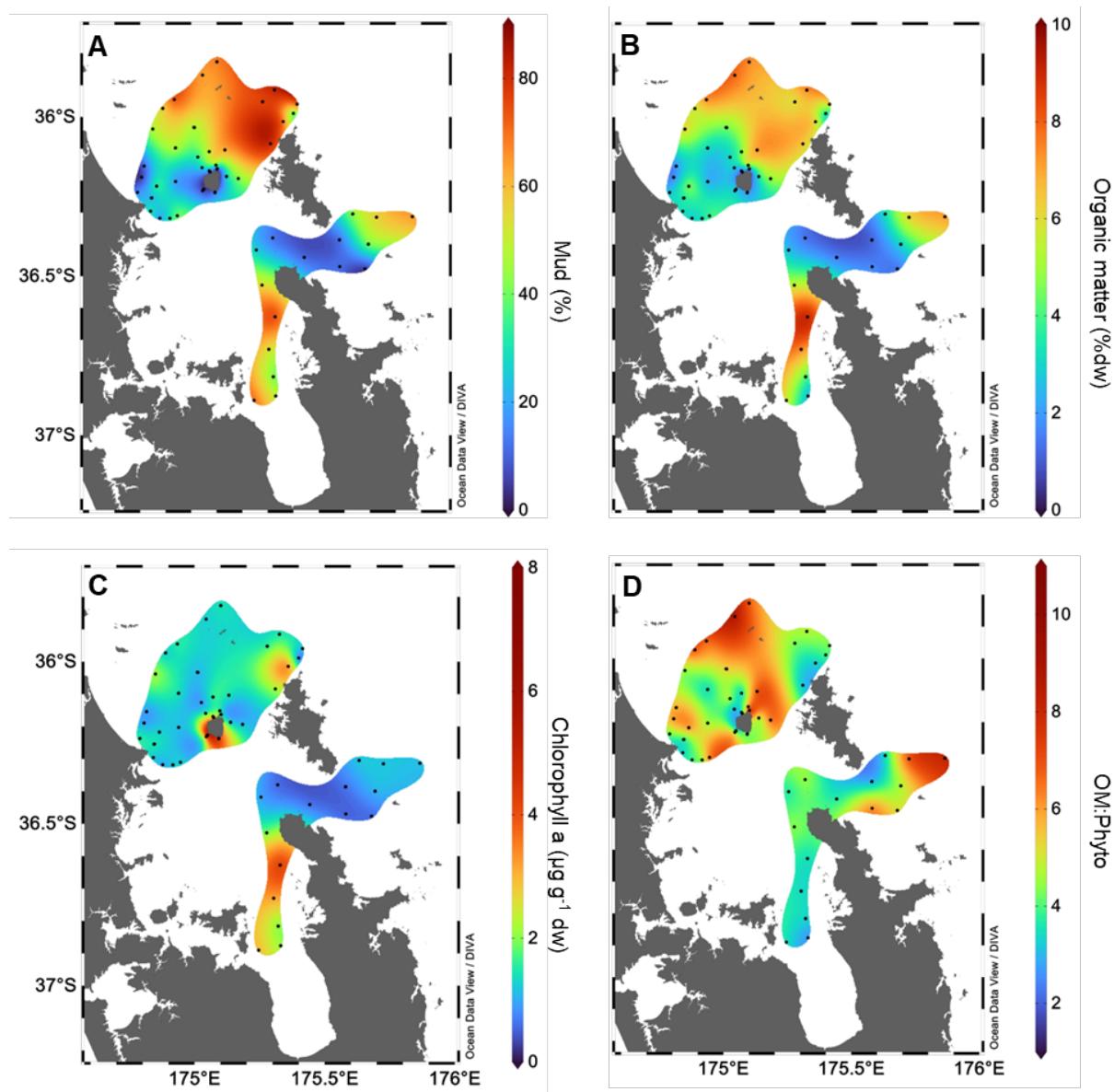
Figure S2: Contents of A) mud (< 63 μm), B) organic matter (LOI), C) chlorophyll a and D) the ratio of OM to phytopigments representing freshness of organic matter (OM:Phyto) at the sampling sites (black dots) in the Hauraki Gulf, New Zealand. Data were spatially interpolated using DIVA in Ocean Data View (Schlitzer, 2025)

10