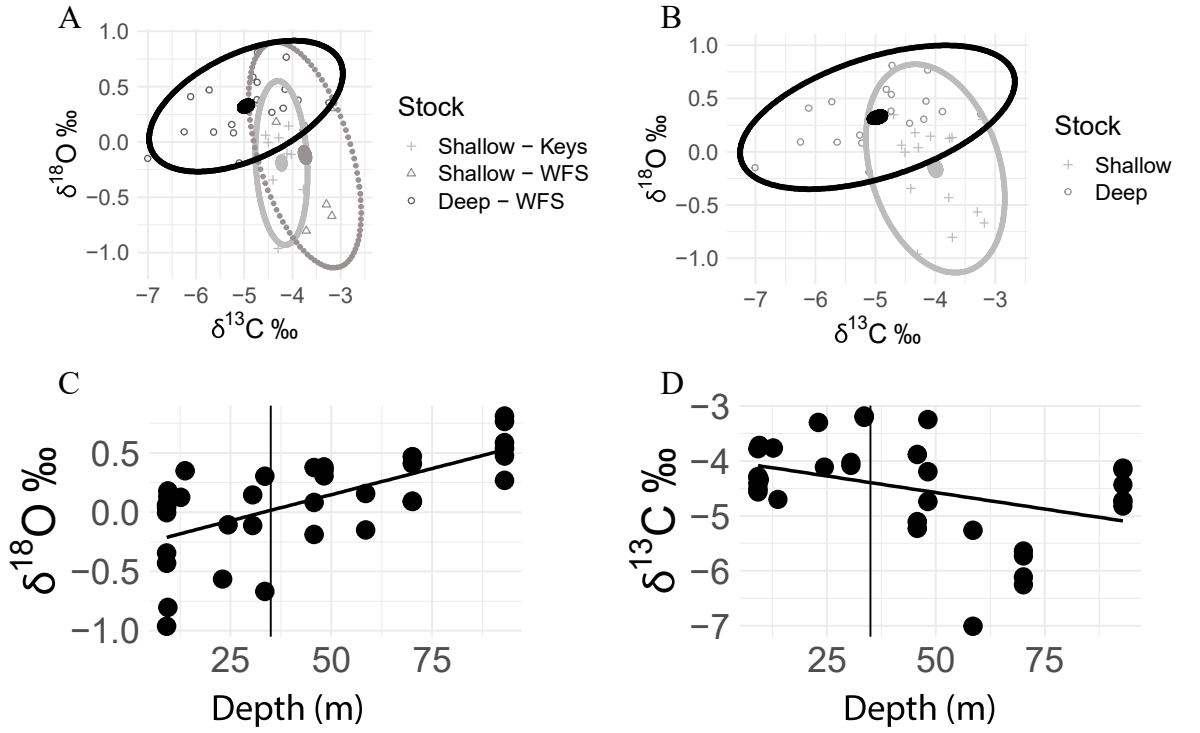

Figure 2. Isotopic differentiation across depths and stocks. A) Isotopic biplot depicts standard ellipses and centroids of the three sampling regions. There is high overlap between the shallow - Keys and shallow - WFS stocks, demonstrating the systematic differences between the otolith rim isotopic compositions between deep water (WFS only) and and shallow water (shallow WFS and Keys) sourced individuals. B) Isotopic biplot depicts standard ellipses and centroids of the two stocks used in the stock-mixture analysis (shallow WFS and Keys combined). C) d18O of otolith rim increases with increasing depth depth (R^2 = .42, $F(1,33) = 23.95$, $p < .001$). D) d13C of otolith rim decreases with increasing depth (R^2 = 0.172, $F(1,33) = 6.857$, $p = 0.013$). For both regressions, the assumption of homoscedasticity is not accomplished and does not inform the p-values. Vertical line at 35 m represent the boundary of the depth steps.