Randomly sampled vs fishery dependent data 'Sampling regime' Chlorophyll Mixed layer depth Bycatch Closed 1 0.5 Closed 2 0.4 -Closed 3 0.3 Dist alln 7 Dist allo 0.2 Hellinger distance Dist mpn 0.1 Dist mpo Dist npn **Temperature** Zooplankton Dist npo 0.5 Dist spn 0.4 -Dist spo Pref 1 0.3 Pref 2 0.2 Pref 3 0.1 Pref 4 -0.5 -1.0-0.5-1.00.0 0.5 1.0 0.0 0.5 1.0 Pref 5 Cohen's D Random vs all