hatch
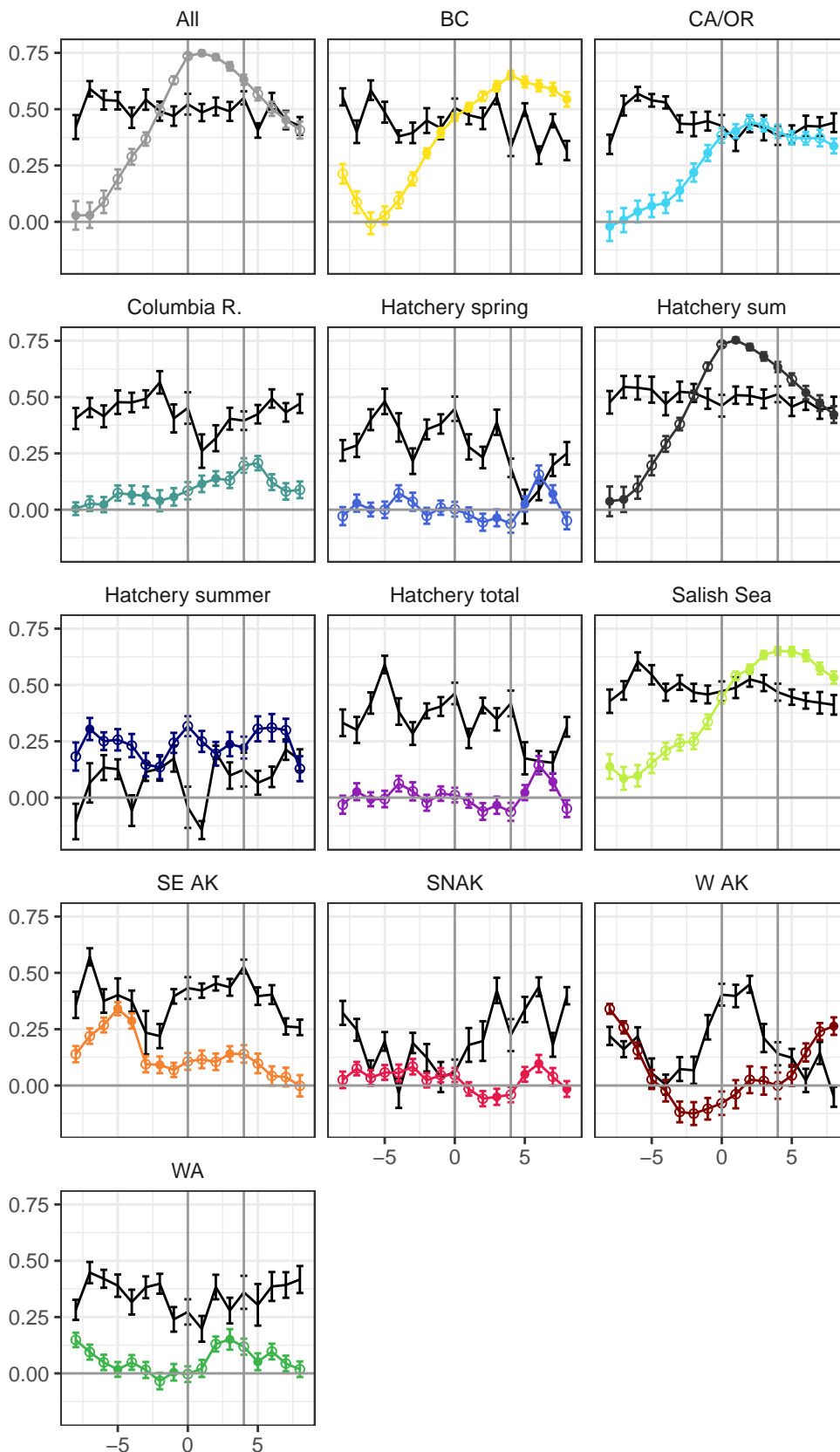
Using lags of salm.rec4_n to xmap hatch