hatch Using lags of salm.rec5_n to xmap hatch CA/OR BC 0.4 0.2 0.0 -0.2Columbia R. Hatchery spring Hatchery sum 0.4 MK test 0.2 True False 0.0 -0.2SRKW xmap ... Salish Sea ΑII Hatchery summer Hatchery total ВС 0.4 CA/OR 0.2 Columbia R. Hatchery spring 0.0 Hatchery sum -0.2 Hatchery summer Hatchery total SNAK SE AK W AK Salish Sea 0.4 SE AK **SNAK** 0.2 W AK 0.0 WA -0.2-5 5 Ö -5 Ö 5 WA 0.4 0.2 0.0 -0.2

Cross-mapping correlation, p

-5

0

5

Time to prediction, years