hatch Using lags of salm.rec5n to xmap hatch BC CA/OR 0.2 0.0 -0.2-0.4Columbia R. Hatchery spring Hatchery sum 0.2 MK test 0.0 True False -0.2-0.4 SRKW xmap ... ΑII Hatchery summer Hatchery total Salish Sea ВС 0.2 CA/OR 0.0 Columbia R. Hatchery spring -0.2 Hatchery sum -0.4 Hatchery summer Hatchery total SE AK SNAK W AK Salish Sea 0.2 SE AK **SNAK** 0.0 W AK -0.2WA -0.45 -5 Ö 5 -5 0 WA 0.2 0.0

Cross-mapping correlation, p

-0.4

-5

0

5

Time to prediction, years