orca convergent cross-mapping salm.rec_n.0 salm.rec5_n.0 salm.rec3_n.0 salm.rec4_n.0 0.50 0.25 Imnaha 0.00 -0.25 0.50 MK test Middle Fork Salmon True 0.25 False Cross-mapping correlation, p 0.00 Time series W AK -0.25 SE AK NRKW SRKW 0.50 SRKW J pod South Fork Salmon SRKW K pod 0.25 SRKW L pod SRKW KL pod 0.00 SRKW births -0.25 SRKW deaths 0.50 **Upper Salmon** 0.25 0.00 -0.25 5 2 0 1 2 3 4 5 0 1 2 3 4 0 1 3 4 5 0 2 3 4 5 Variable offset, year