Partial effects of flow on 4 yr old recruits at chosen offsets from brood year a) 0 0.2 0.2 0.8 0.6 0.1 0.1 0.4 0.2 0.0 0.0 -0.1 -0.1-0.2 -0.2 b) 1 0.2 0.2 0.8 0.6 0.1 0.1 0.4 0.2 0.0 0.0 -0.1-0.1-0.2 -0.2 c) 2 model forecast skill, rho 0.8 0.4 0.2 0.0 0 0 0.2 0.2 River mean flow 0.1 0.1 River peak flow 0.0 0.0 River peak day River gage height -0.1 -0.1 -0.2 -0.2d) 3 0.2 0.2 0.8 0.6 0.1 0.1 0.4 0.2 0.0 0.0 -0.1-0.1-0.2-0.2e) 4 0.2 0.2 0.8

0.1

0.0

-0.1 **-**

-0.2

0.6

0.4 0.2

Interaction coefficient

0.1

0.0

-0.1

-0.2

1960

1970

1980

1990

2000

2010