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Figure 1. Temporal variation in Fraser River sockeye salmon productivity, log(recruits/spawner). (a) Trends in observed productivity for 18 CUs with time series beginning between 1948 and 1973; heavy black line represents the unweighted mean. 10-year moving windows of (b) the mean component coefficient of variation, weighted by abundance, (c) the synchrony index, and (d) the coefficient of variation of the aggregate. Solid blacks lines represent trends for 11 CUs with time series extending back to 1948, light red lines represent trends for 18 CUs beginning in 1973. Macintosh HD:Users:cam:github:salmon-sim:outputs:miscSensitivity:synchTests:focalTimeSeries (dragged).pdfMacintosh HD:Users:cam:github:salmon-sim:outputs:miscSensitivity:synchTests:focalTimeSeries.pdf

Macintosh HD:Users:cam:github:salmon-sim:outputs:summaryFigs:synchTrials:groupedDotPlots (dragged).pdf Figure 3. Simulated status of the Fraser River aggregate relative to three abundance-based performance metrics. Points represent the median performance metric through the simulation period, then the median among 1000 trials with whiskers representing 90% posterior intervals.

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Figure 4. Simulated status of the Fraser River aggregate relative to four benchmark-based performance metrics. CU proportions reflect status at the end of the 60 year simulation period. Points represent medians across 1000 trials and whiskers 90% posterior intervals.