**Supporting information for Fujiwara et al. (2018) A coupled recreational anglers’ decision and fish population dynamics model. PLOS One.**

TABLE S3. Ten top vector autoregressive state-space models for spotted seatrout based on BIC. “x” indicates the parameter was included in the model. The full equations are shown in the main text (equations 1 and 2). ΔBIC is the delta BIC. The estimated parameters for the best model is shown in Table 1 of the main text.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | ΔBIC |
|  | x | x | x | x | x | x | x | x | x | x | x |  | x | x | x | 0 |
|  | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | 2.09 |
|  | x | x | x | x | x | x | x |  | x | x | x |  | x | x | x | 3.95 |
| x | x | x | x | x | x | x | x | x | x | x | x |  | x | x | x | 4.09 |
|  | x | x | x | x | x | x | x | x | x | x |  | x | x | x | x | 5.16 |
|  | x | x | x | x | x | x | x | x | x |  | x | x |  | x | x | 5.59 |
|  | x | x | x | x | x | x | x | x | x | x |  |  | x | x | x | 5.73 |
| x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | 5.98 |
|  | x | x | x | x | x | x | x |  | x | x | x | x | x | x | x | 6.33 |
| x | x | x | x | x | x | x | x |  | x | x | x |  | x | x | x | 7.50 |