Data poor validation
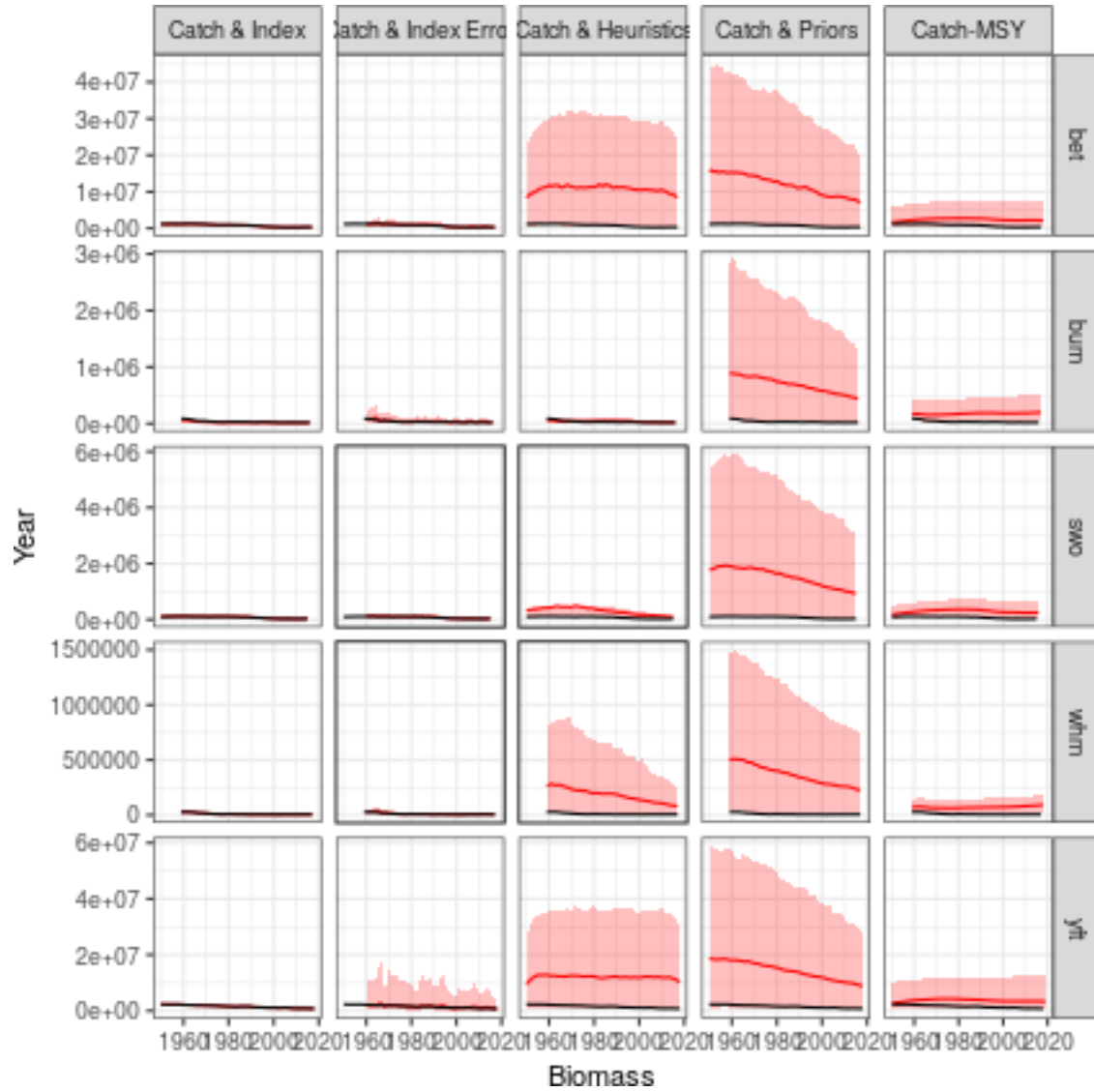## JABBA MP: ICCAT SS & JABBA OM

Laurence Kell

Figure 1 Absolute trends in abundance for all stocks and methods (black line are the true values).
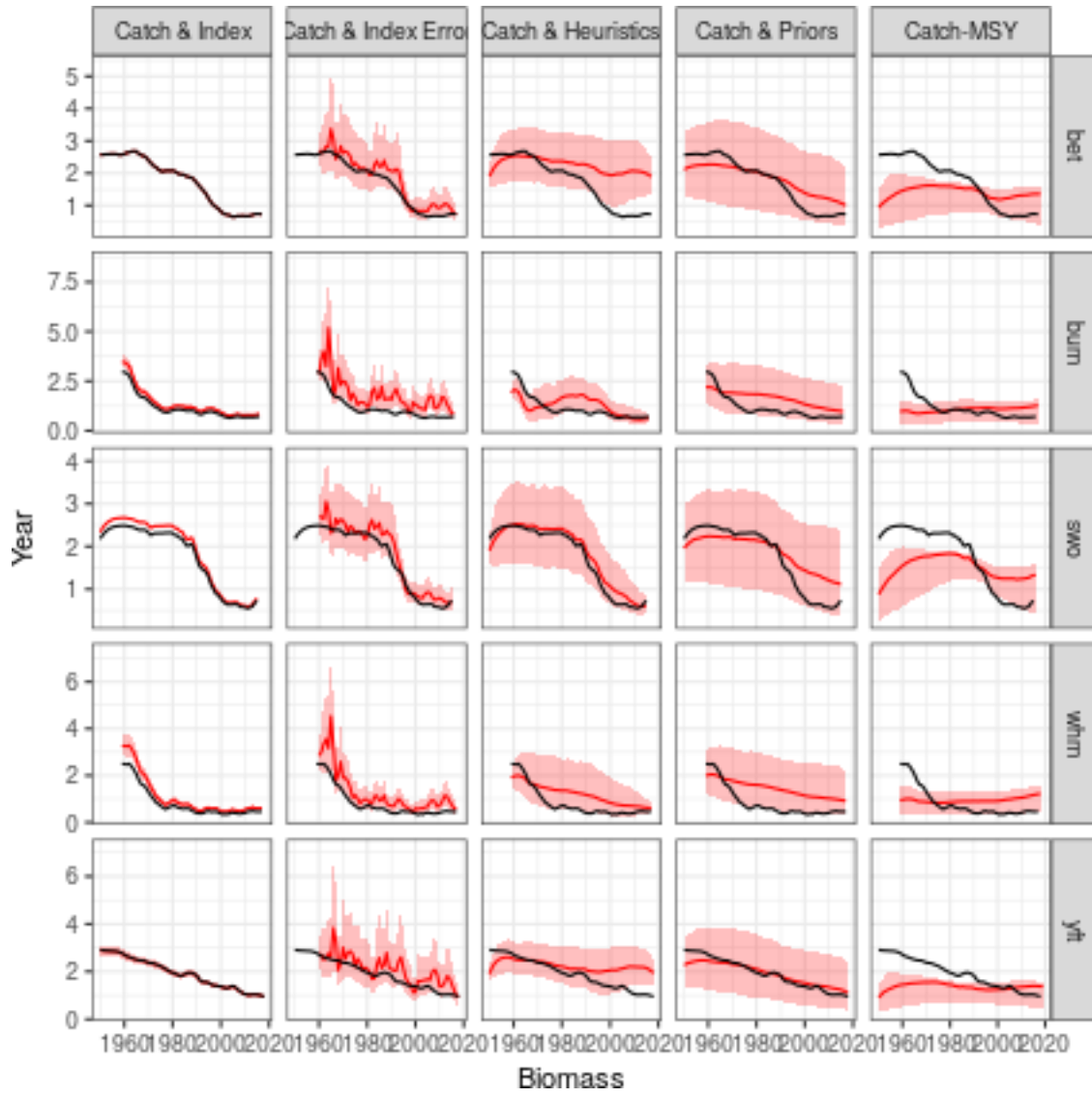
Figure 2 Trends in abundance relative to B/B_{MSY} for all stocks and methods (black line are the true values).
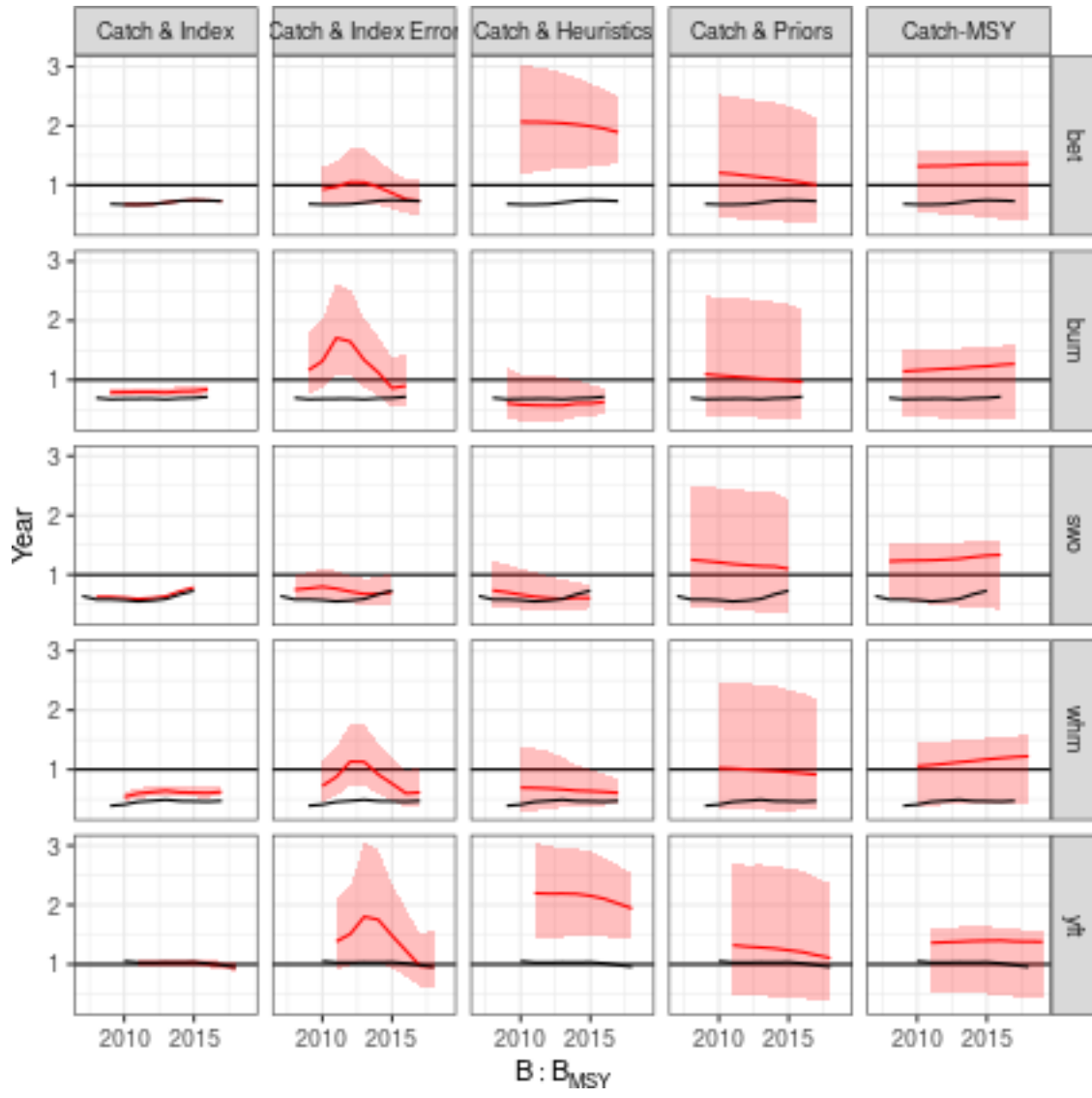
Figure 3 Trends relative to B/B_{MSY} in last 10 years using all the data.

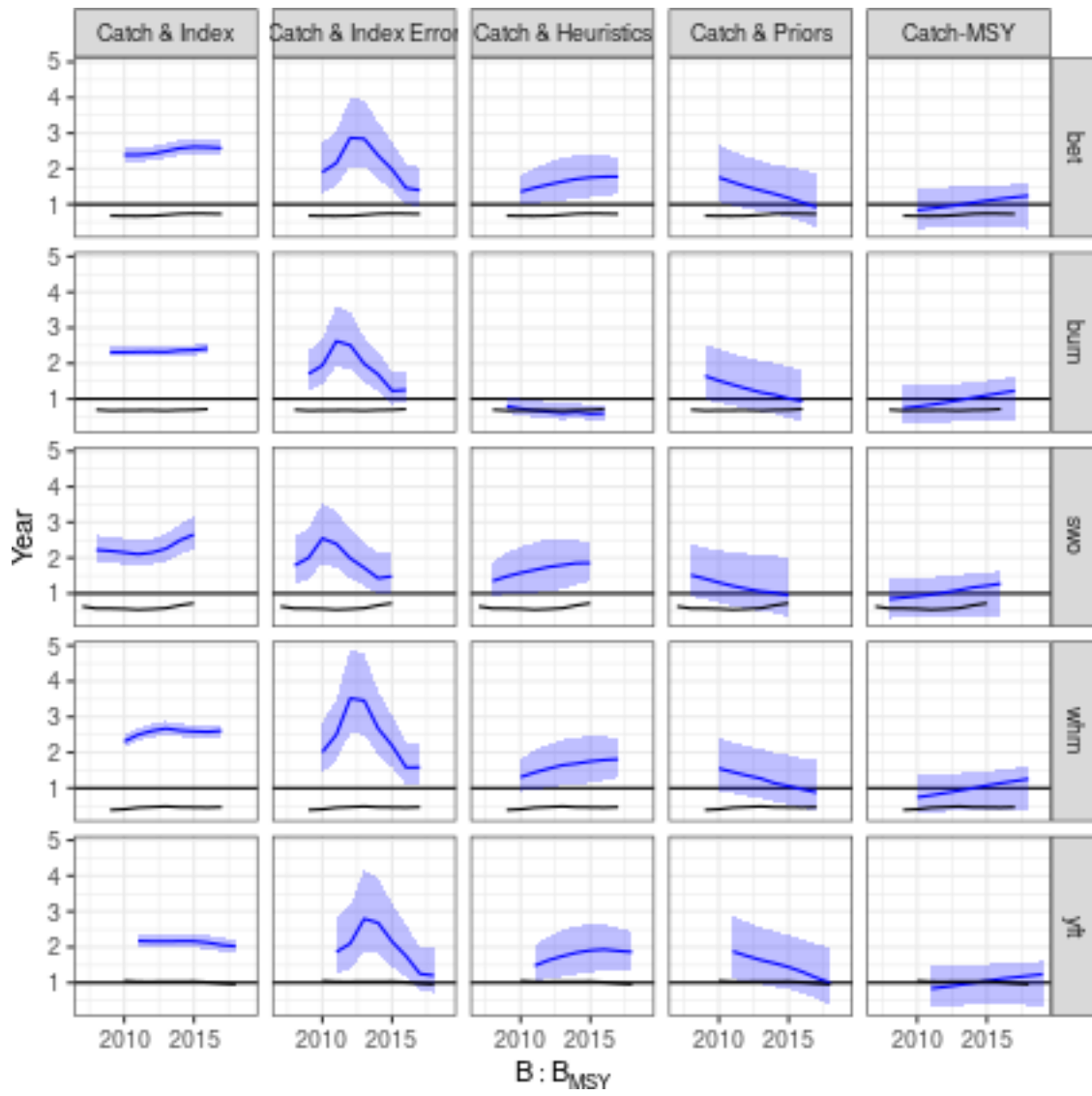## 10 Years

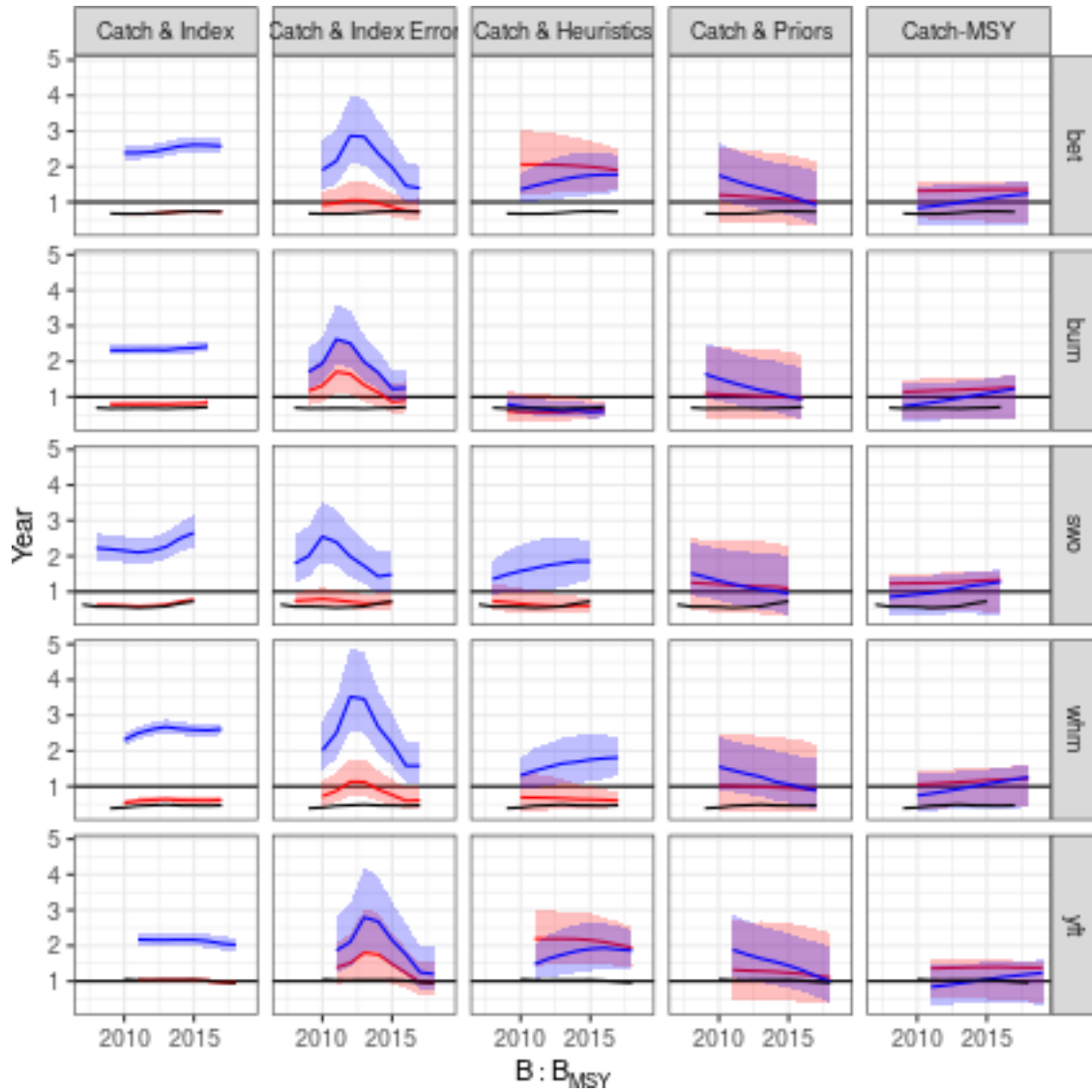**Figure 4** Trends relative to B/B_{MSY} in last 10 years using truncated data.

Figure 5 Trends relative to B/B_{MSY} in last 10 years compared for all and truncated data.

Indicators

```
, , Yrs = 10

                         stk
variable-Model            bet    bum     swo      whm     yft
  t23-Catch & Index      1.0000  1.000  1.1000  1.00000  0.980
  t23-Catch & Index Error 0.8500  0.840  0.8700  0.84000  0.810
  t23-Catch & Heuristics 1.2000  1.200  1.2000  1.20000  1.200
  t23-Catch & Priors     1.1000  1.200  1.2000  1.10000  1.100
  t23-Catch-MSY          1.1000  1.200  1.1000  1.20000  1.100
  t23-OM                 1.0000  1.000  1.1000  1.00000  0.980
  t5-Catch & Index       0.0079  0.010  0.0620 -0.00620 -0.018
  t5-Catch & Index Error -0.1900 -0.190 -0.1300 -0.21000 -0.210
  t5-Catch & Heuristics  0.0088 -0.033 -0.0028  0.00018 -0.017
```

5

```
  t5-Catch & Priors       -0.0480 -0.027 -0.0250 -0.04400 -0.040
  t5-Catch-MSY             0.0420  0.060  0.0540  0.05700  0.040
  t5-OM                    0.0075  0.013  0.0780 -0.01000 -0.020

, , Yrs = All

                             stk
variable-Model              bet    bum    swo     whm     yft
  t23-Catch & Index         1.0000  1.000  1.100  1.0000  0.9800
  t23-Catch & Index Error   0.9000  0.850  0.950  0.8700  0.8400
  t23-Catch & Heuristics    1.2000  1.200  1.200  1.2000  1.2000
  t23-Catch & Priors        1.2000  1.200  1.200  1.2000  1.2000
  t23-Catch-MSY             1.0000  1.000  1.000  1.0000  1.0000
  t23-OM                    1.0000  1.000  1.100  1.0000  0.9800
  t5-Catch & Index          0.0076  0.014  0.075 -0.0074 -0.0190
  t5-Catch & Index Error   -0.0960 -0.170 -0.022 -0.1700 -0.1600
  t5-Catch & Heuristics    -0.0310 -0.017 -0.026 -0.0180 -0.0280
  t5-Catch & Priors        -0.0330 -0.017 -0.019 -0.0130 -0.0210
  t5-Catch-MSY              0.0021  0.015  0.017  0.0170 -0.0035
  t5-OM                     0.0075  0.013  0.078 -0.0100 -0.0200
```