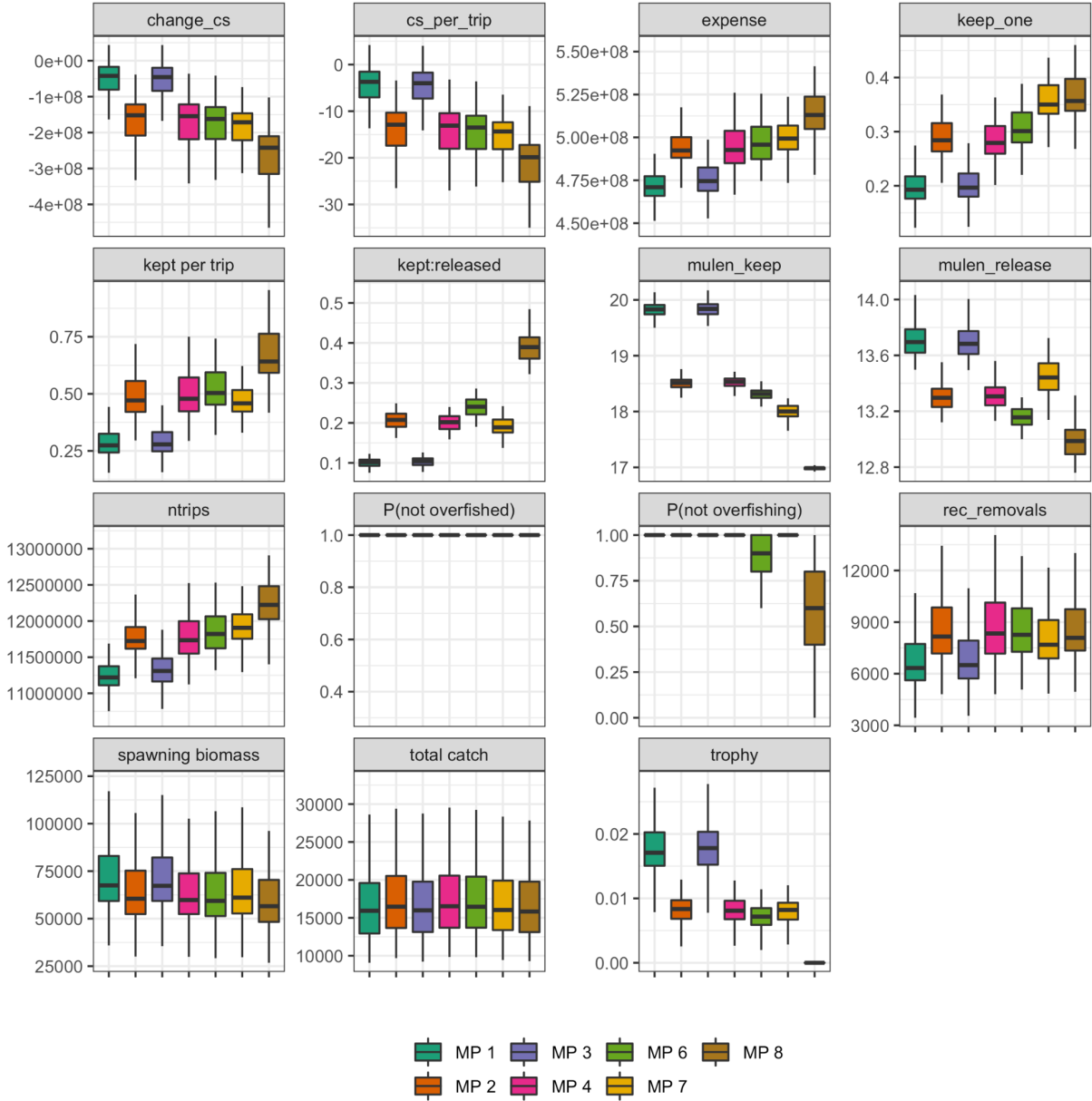# Base Operating Model

Boxplots of the distribution over simulations of the average annual values (last 10 years) for metrics for the various MPs. "keep_one" is the proportion of trips where at least 1 fish is kept. 'Trophy' is the proportion of kept fish that are > 28".

```
# A tibble: 15 × 8
   metric              `MP 1`    `MP 2`    `MP 3`    `MP 4`    `MP 6`    `MP 7`    `MP 8`
   <chr>               <dbl>     <dbl>     <dbl>     <dbl>     <dbl>     <dbl>     <dbl>
 1 change_cs           -4.22e+7  -1.52e+8  -4.57e+7  -1.54e+8  -1.62e+8  -1.71e+8  -2.42e+8
 2 cs_per_trip         -3.70e+0  -1.29e+1  -4.00e+0  -1.31e+1  -1.35e+1  -1.44e+1  -1.99e+1
 3 expense             4.71e+8   4.92e+8   4.75e+8   4.93e+8   4.96e+8   4.99e+8   5.13e+8
 4 keep_one            1.93e-1   2.84e-1   1.97e-1   2.79e-1   3.01e-1   3.50e-1   3.57e-1
 5 kept per trip       2.74e-1   4.71e-1   2.79e-1   4.78e-1   5.04e-1   4.58e-1   6.42e-1
 6 kept:released       1.02e-1   2.07e-1   1.04e-1   2.02e-1   2.40e-1   1.89e-1   3.90e-1
 7 mulen_keep          1.98e+1   1.85e+1   1.98e+1   1.85e+1   1.83e+1   1.80e+1   1.70e+1
 8 mulen_release       1.37e+1   1.33e+1   1.37e+1   1.33e+1   1.32e+1   1.34e+1   1.30e+1
 9 ntrips              1.12e+7   1.17e+7   1.13e+7   1.17e+7   1.18e+7   1.19e+7   1.22e+7
10 P(not overfished)   1     e+0  1     e+0  1     e+0  1     e+0  1     e+0  1     e+0  1     e+0
11 P(not overfishing)  1     e+0  1     e+0  1     e+0  1     e+0  9     e-1  1     e+0  6     e-1
12 rec_removals        6.33e+3   8.16e+3   6.50e+3   8.34e+3   8.26e+3   7.68e+3   8.09e+3
13 spawning biomass    6.75e+4   6.05e+4   6.73e+4   5.98e+4   5.94e+4   6.11e+4   5.66e+4
14 total catch         1.59e+4   1.65e+4   1.60e+4   1.65e+4   1.65e+4   1.60e+4   1.58e+4
15 trophy              1.71e-2   8.34e-3   1.78e-2   8.09e-3   7.16e-3   8.20e-3   0
>
```

Median over simulations for each of the MPs and metrics. Base OM.

Radar plot of median values for metrics for base OM