## Glider sampling simulation figures 8 & 9

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```
NASC.yrs = c(2001:2009,2011)

AMLR.area = c('SA','WA')

n.rep = 14

n.gldr = c(1,2,3,4,5)

save.tables = 1

max.NASC.m = 250

depths = c(150,200,300,400,500,700,1000)

azfp.off = c(150,150,150,150,150,150,150)

qntl.vals = c(0.97,0.98,0.99,0.999,1)

smpl.st = 1
```

# Figure 8. Approximate coverage probabilities based on 9 replicates of 1, 2, 3 and 5 gliders.

```
source('Fig8.r')
Fig8(n.gldr = 1)
Fig8(n.gldr = 2)
Fig8(n.gldr = 3)
Fig8(n.gldr = 5)
```

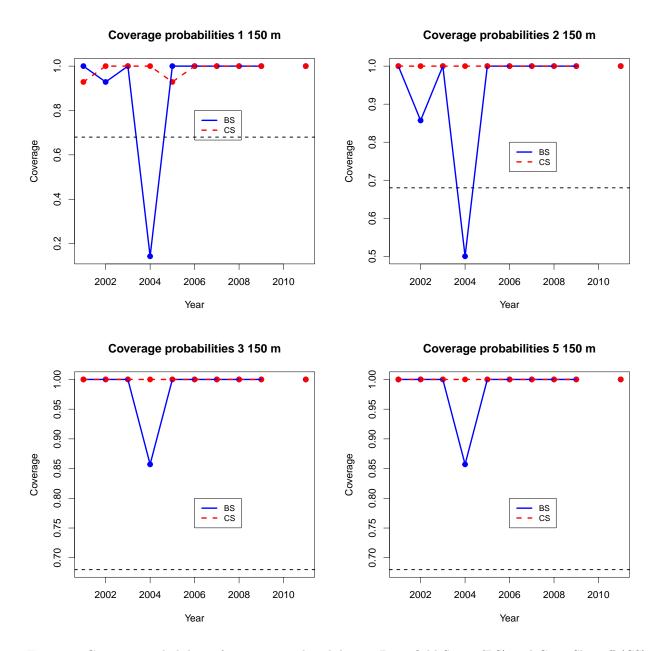


Figure 8. Coverage probabilities for 1, 2, 3, and 5 gliders in Bransfield Strait (BS) and Cape Shirreff (CS). The expected value of 68% is shown as the dashed black line.

### Figure 9.

```
source('Fig9.r')
```

## Warning: package 'fishmethods' was built under R version 4.1.1

#### 

Year

## Delta.dist 1 glider\_WA\_14 reps

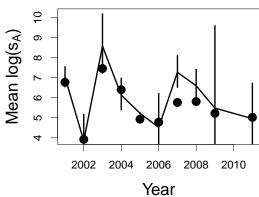


Figure 9. Estimated densities using the delta distribution and yos as the sampling unit  $\pm$  one SD from all replicates of a single glider (lines) with a maximum yo depth of 150 m for Bransfield Strait (a) and Cape Shirreff (b), and the annual mean densities of the population (points).