1 Contents

2 USE THIS .Rmd TO TEST R CODE CHUNKS, FIGURES AND PLOTS BEFORE IN-
3 SERTING INTO THE MAIN TEXT OR TO DEBUG

Table 1: Data filtering steps for the CRFS CPFV onboard observer index of abundance for north and south of Pt. Conception.

tab:Fleet6_&_Filter

Filter	Drifts	Positive Drifts
Data from SQL filtered for missing data	67850	9317
Remove years prior to 2001 and north of Cape Mendocino	64448	9129
Depth, remove 1% data on each tail of positive catches	50846	8955
Time fished, remove 1% data on each tail	50100	8903
Observed anglers, remove 1% data on each tail	48089	8774
Limit to reefs observering gopher/byel in at least 20 drifts	29639	8025
Limite to reefs sampled in at least 2/3 of all years	32672	7517
Limite to drifs within 1000 m of a reef	27355	7358
Put depth in 10m depth bins, remove 0-9 and 60-69 m bins	25427	7250
Start of north filtering	13792	6036
Filter to drifts within 43 m of a reef, 97% quantile	13145	5854
Make sure reefs still sampled at least 2/3 of years	12965	5796
Start of south filtering	11635	1277
Filter to drifts with >=20% groundfish and recheck reefs	5495	1171
Make sure reefs still sampled at least 2/3 of years	5440	1132

Table 2: Model selection for the CRFS CPFV onboard observer index of abundance for north of Pt. Conception. Bold values indicate the model selected.

tab:Fleet6_AIC

Model	Lognormal	Binomial
Year	14135	17531
Year + Month	14120	17529
Year + Depth	13953	17025
Year + Reef	14126	17293
Year + Month + Depth	13951	17027
Year + Month + Depth + Reef	**13921**	**16674**

Table 3: Model selection for the CRFS CPFV onboard observer index of abundance for south of Pt. Conception. Bold values indicate the model selected.

Model	Lognormal	Binomial
Year	2798	5490
Year + Month	2799	5487
Year + Depth	2744	5159
Year + Reef	2653	5390
Year + Depth + Reef	**2652**	**5071**
Year + Depth + Reef + Month	2663	5072