

Accessory material to Dethmers *et al.* MFR 10084

Estimated proportional stock contributions to six individual feeding grounds. Contributions are expressed as the mean and the median of likely proportional contributions within a 95% confidence interval. Estimates are based on the Pella and Masuda model (2001) using both weighted priors (rookery size) and uniform priors.

Rookery	Sir Edward Pellew								Aru Island							
	Weighted prior				Uniform prior				Weighted prior				Uniform prior			
	MEAN	MEDIAN	2.5%	97.5%	MEAN	MEDIAN	2.5%	97.5%	MEAN	MEDIAN	2.5%	97.5%	MEAN	MEDIAN	2.5%	97.5%
nGBR	5.5	5.4	0.0	11.3	3.5	3.3	0.0	10.2	9.1	8.7	0.0	21.1	7.3	6.9	0.0	20.1
Coral Sea	0.1	0.0	0.0	1.5	0.3	0.0	0.0	2.9	0.1	0.0	0.0	0.3	0.2	0.0	0.0	1.9
sGBR	0.1	0.0	0.0	1.7	0.2	0.0	0.0	2.05	0.1	0.0	0.0	0.9	0.2	0.0	0.0	1.7
New Caledonia	0.5	0.0	0.0	6.9	2.3	0.1	0.0	10.5	0.3	0.0	0.0	3.5	1.6	0.0	0.0	15.1
Micronesia	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.7	0.3	0.0	0.0	0.9	0.5	0.0	0.0	5.9
PNG	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.7	7.4	0.0	0.0	34.6	11.9	9.9	0.0	36.7
Penin. Malaysia	0.0	0.0	0.0	0.0	0.7	0.0	0.0	6.8	0.0	0.0	0.0	0.0	0.3	0.0	0.0	3.5
Sarawak	0.0	0.0	0.0	0.0	0.4	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.2	0.0	0.0	1.8
Sulu Sea	0.1	0.0	0.0	0.9	0.1	0.0	0.0	0.8	1.1	0.0	0.0	8.9	0.8	0.0	0.0	7.4
Berau Island	0.1	0.0	0.0	0.5	0.1	0.0	0.0	0.8	2.9	0.0	0.0	16.9	3.3	0.7	0.0	16.5
SE Sabah	0.2	0.0	0.0	1.8	0.1	0.0	0.0	1.4	3.9	0.9	0.0	17.1	1.7	0.0	0.0	12.8
Aru	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.7	63.2	64.7	36.8	85.6	53.7	52.9	34.3	77.7
GOC	85.1	86.9	64.9	95.7	90.4	91.4	77.8	96.6	0.5	0.0	0.0	6.7	1.7	0.0	0.0	14.0
Ashmore Reef	0.0	0.0	0.0	0.0	0.1	0.0	0.0	1.5	2.2	0.0	0.0	30.7	12.6	3.2	0.0	43.7
Scott Reef	0.0	0.0	0.0	0.0	0.4	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.9	0.0	0.0	9.9
West Java	0.0	0.0	0.0	0.0	0.2	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.9	0.0	0.0	8.3
NW Shelf	8.3	5.9	0.0	28.4	0.9	0.0	0.0	11.4	9.1	8.4	0.6	21.5	2.3	0.01	0.0	14.1

Rookery	Cobourg Peninsula								Field Island							
	Weighted prior				Uniform prior				Weighted prior				Uniform prior			
	Mean	Median	2.5%	97.5%	Mean	Median	2.5%	97.5%	Mean	Median	2.5%	97.5%	Mean	Median	2.5%	97.5%
nGBR	11.4	11.2	4.6	19.4	9.5	9.9	0.0	18.5	4.9	4.1	0.0	14.7	2.3	0.8	0.0	10.5
Coral Sea	0.0	0.0	0.0	0.2	0.1	0.0	0.0	1.3	0.1	0.0	0.0	1.9	0.4	0.0	0.0	4.7
sGBR	0.1	0.0	0.0	0.8	0.1	0.0	0.0	1.2	0.3	0.0	0.0	4.1	0.5	0.0	0.0	4.7
New Caledonia	0.1	0.0	0.0	0.5	0.9	0.0	0.0	13.1	0.6	0.0	0.0	8.7	2.4	0.0	0.0	13.9
Micronesia	3.5	0.0	0.0	15.3	3.0	1.4	0.0	13.2	0.0	0.0	0.0	0.2	0.2	0.0	0.0	2.3
PNG	1.6	0.0	0.0	13.8	2.6	0.0	0.0	14.1	2.1	0.0	0.0	10.5	3.3	2.6	0.0	11.4
Penin. Malaysia	0.0	0.0	0.0	0.0	0.9	0.0	0.0	10.8	0.8	0.0	0.0	15.9	3.1	0.0	0.0	23.2
Sarawak	0.0	0.0	0.0	0.0	0.4	0.0	0.0	3.1	0.3	0.0	0.0	4.7	3.0	2.1	0.0	11.5
Sulu Sea	0.9	0.0	0.0	9.4	2.8	0.1	0.0	12.6	0.9	0.0	0.0	6.7	0.8	0.0	0.0	6.2
Berau Island	0.2	0.0	0.0	2.4	0.7	0.0	0.0	7.2	0.5	0.0	0.0	6.1	0.7	0.0	0.0	6.6
SE Sabah	23.9	25.1	0.0	41.8	10.3	7.3	0.0	34.0	5.1	0.8	0.0	25.4	2.2	0.0	0.0	15.9
Aru	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.8	0.0	0.0	0.0	0.1	0.3	0.0	0.0	3.3
GOC	0.4	0.0	0.0	4.7	0.8	0.0	0.0	8.8	26.2	24.6	0.0	63.8	23.1	19.4	0.0	66.3
Ashmore Reef	11.2	0.0	0.0	43.2	11.2	6.3	0.0	43.1	0.1	0.0	0.0	0.1	1.1	0.0	0.0	11.6
Scott Reef	0.8	0.0	0.0	8.8	29.5	20.8	0.0	80.9	0.3	0.0	0.0	0.0	7.3	0.03	0.0	47.6
West Java	0.1	0.0	0.0	0.0	1.3	0.0	0.0	12.9	0.1	0.0	0.0	0.0	0.7	0.0	0.0	8.6
NW Shelf	45.8	45.8	28.5	62.5	25.9	31.8	0.0	55.4	57.6	58.8	23.0	86.6	48.8	50.9	0.0	78.8

Rookery	Fog Bay								Ashmore Reef							
	Weighted prior				Uniform prior				Weighted prior				Uniform prior			
	MEAN	MEDIAN	2.5%	97.5%	MEAN	MEDIAN	2.5%	97.5%	MEAN	MEDIAN	2.5%	97.5%	MEAN	MEDIAN	2.5%	97.5%
nGBR	0.0	0.0	0.0	1.8	0.1	0.0	0.0	0.1	1.6	0.9	0.0	7.0	0.1	0.1	0.0	5.9
Coral Sea	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.5	0.1	0.0	0.0	2.1
sGBR	0.0	0.0	0.0	0.6	0.1	0.0	0.0	0.9	0.1	0.0	0.0	1.5	0.1	0.0	0.0	2.1
New Caledonia	0.0	0.0	0.0	0.1	0.1	0.0	0.0	1.3	0.2	0.0	0.0	2.0	0.6	0.0	0.0	5.5
Micronesia	0.2	0.0	0.0	3.7	0.5	0.0	0.0	6.5	0.0	0.0	0.0	0.1	0.2	0.0	0.0	2.3
PNG	0.2	0.0	0.0	17.6	3.8	1.4	0.0	14.7	3.8	3.2	0.0	12.6	4.5	3.9	0.0	12.3
Penin. Malaysia	0.2	0.0	0.0	0.0	0.7	0.0	0.0	7.6	2.2	0.0	0.0	26.5	5.8	0.0	0.0	28.8
Sarawak	6.7	0.0	0.0	21.0	10.2	9.9	0.0	20.4	0.0	0.0	0.0	0.0	0.7	0.0	0.0	5.3
Sulu Sea	0.1	0.0	0.0	1.9	0.1	0.0	0.0	1.5	0.2	0.0	0.0	1.8	0.1	0.0	0.0	1.5
Berau Island	0.8	0.0	0.0	6.7	0.8	0.0	0.0	6.5	0.6	0.0	0.0	6.8	0.6	0.0	0.0	5.9
SE Sabah	2.0	0.0	0.0	14.6	0.6	0.0	0.0	6.9	9.4	5.5	0.0	32.1	2.3	0.0	0.0	14.8
Aru	0.0	0.0	0.0	0.0	0.2	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.2	0.0	0.0	2.6
GOC	29.7	29.2	0.0	58.8	32.9	31.7	6.7	64.5	2.4	0.0	0.0	36.2	2.0	0.0	0.0	23.8
Ashmore Reef	7.3	0.0	0.0	36.5	5.8	4.3	0.0	26.5	1.2	0.0	0.0	18.3	1.4	0.0	0.0	14.2
Scott Reef	0.1	0.0	0.0	3.2	16.1	8.2	0.0	63.6	1.0	0.0	0.0	15.5	10.3	0.0	0.0	67.8
West Java	0.2	0.0	0.0	1.6	1.7	0.0	0.0	12.6	1.8	0.0	0.0	24.6	7.8	3.5	0.0	29.6
NW Shelf	49.1	48.4	22.1	79.9	25.9	29.4	0.0	59.9	75.4	75.9	46.2	95.8	63.2	65.6	11.5	85.9