
The following supplement accompanies the article

Characterising essential breeding habitat for whales informs the development of large-scale Marine Protected Areas in the South Pacific

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Table S1. Pearson's correlation coefficients of environmental variables in Tutuila, American Samoa. 'D-' denotes 'distance to'. Correlations > 0.75 are shown in **bold**

	D-Shore	D-Coral Reef	Depth	Slope	Rugosity	D-100m	D-200m	D-1000m
D-Shore	-	0.90	-0.83	0.03	-0.10	0.63	0.38	0.30
D-Coral Reef		-	-0.74	-0.03	-0.12	0.56	0.36	0.27
Depth			-	-0.01	0.18	-0.77	-0.48	-0.32
Slope				-	0.53	-0.41	-0.66	-0.61
Rugosity					-	-0.34	-0.40	-0.30
D-100m						-	0.82	0.81
D-200m							-	0.82
D-1000m								-

Table S2. Pearson's correlation coefficients of environmental variables in Vava'u, Tonga. 'D-' denotes 'distance to'. Correlations > 0.75 are shown in **bold**

	D-Shore	D-Coral Reef	Depth	Slope	Rugosity	D-100m	D-200m	D-1000m
D-Shore	-	-0.72	-0.64	-0.26	-0.25	0.80	0.76	0.28
D-Coral Reef		-	-0.72	-0.20	-0.26	0.79	0.70	-0.14
Depth			-	0.03	0.24	-0.79	-0.57	0.28
Slope				-	0.60	-0.29	-0.37	-0.26
Rugosity					-	-0.24	-0.23	0.10
D-100m						-	0.85	0.07
D-200m							-	0.31
D-1000m								-

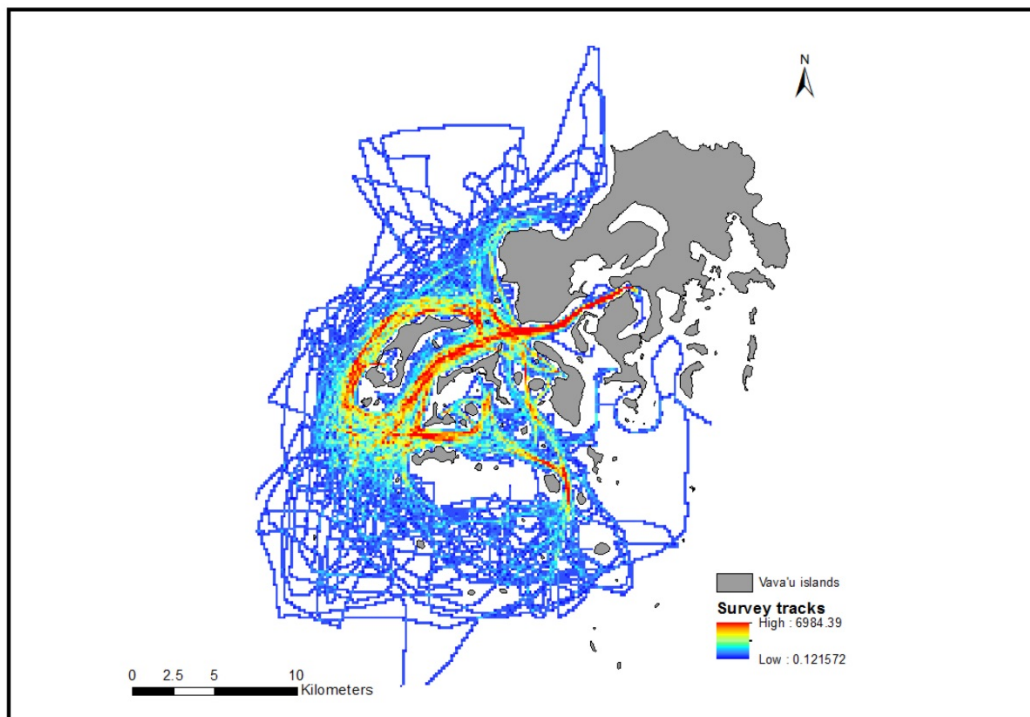
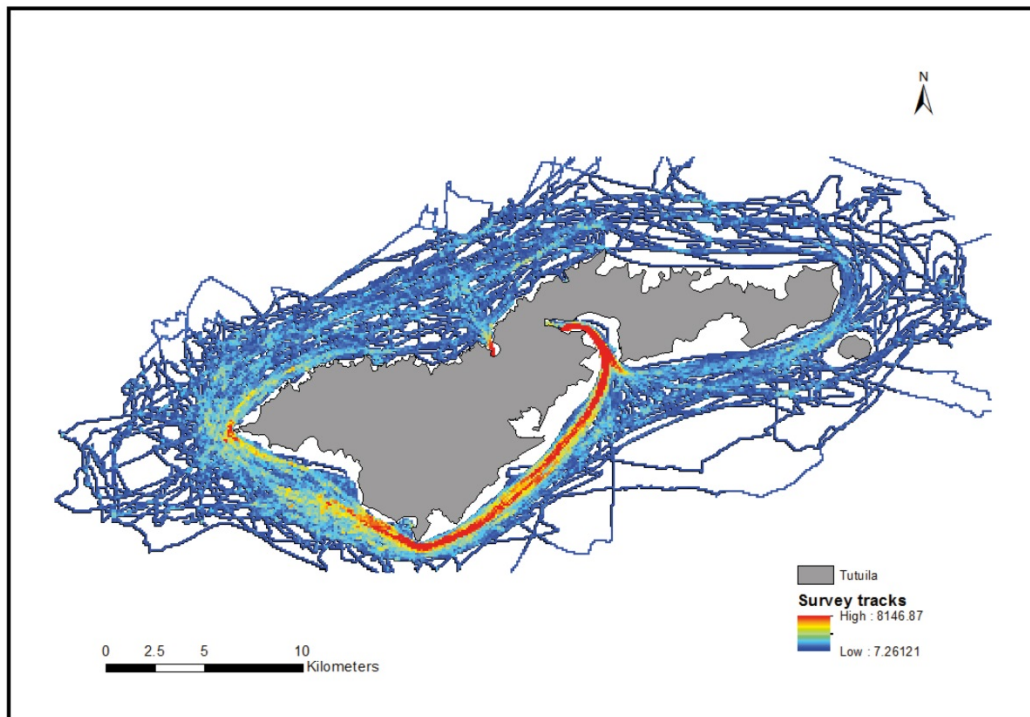


Figure S1. Non-systematic winter survey tracks around Tutuila, American Samoa (A), and Vava'u, Tonga (B), within Oceania (South Pacific). Areas of highest to lowest survey coverage are shown

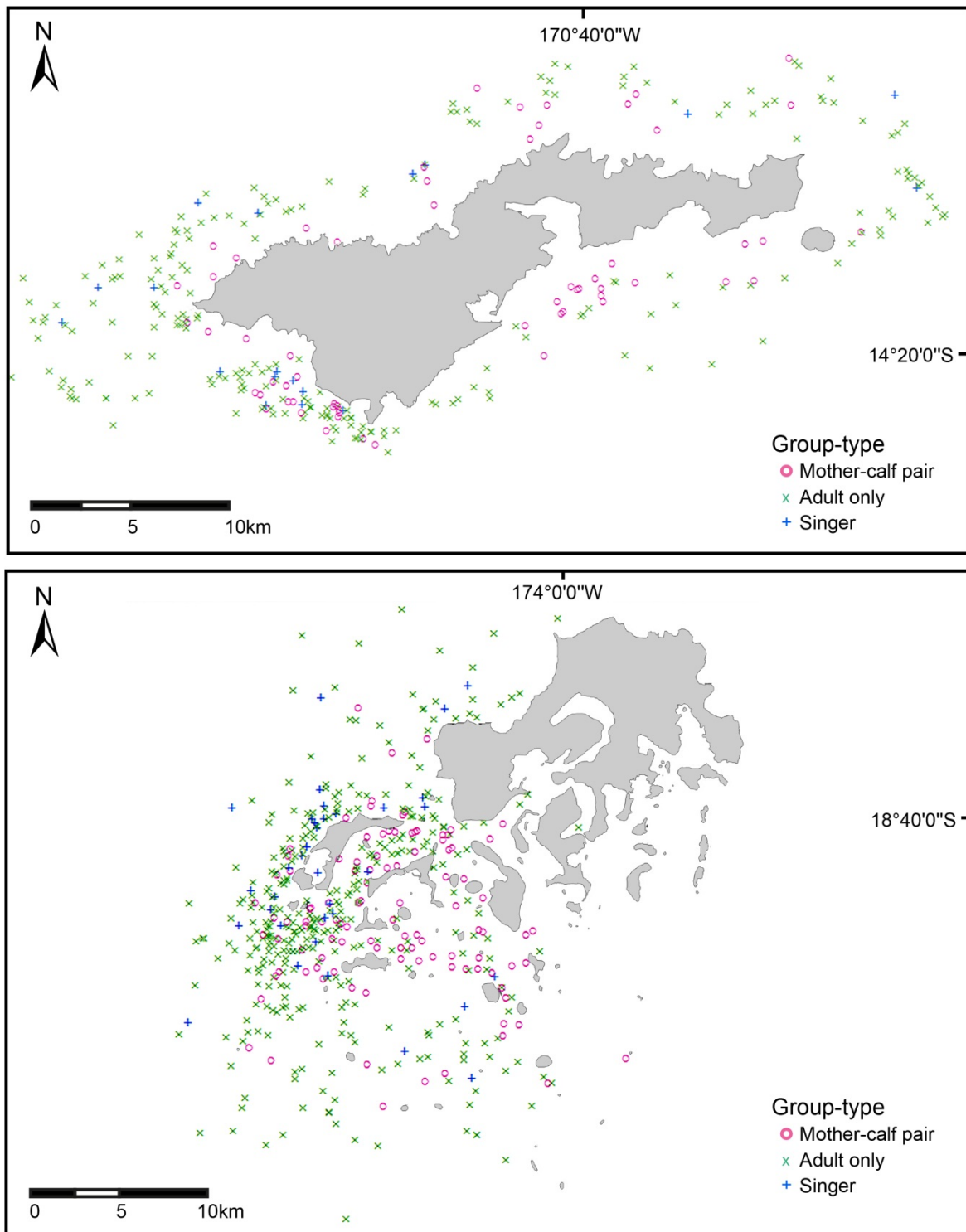


Figure S2. The location of humpback whale sightings by group type at Tutuila, American Samoa (A), and Vava'u, Tonga (B)