

Supplementary Material

Table 1. Tagging details for two humpback whales.

Tag	Latitude	Longitude	Duration Deployment	Distance Travelled	Average Speed	Estimated Surface Intervals	New Positions Acquired
17092020 (Tag 1)	-27.9810	153.5736	12:15–16:17; 242 minutes	24.7 km	6.4 km/h over 16.8 km	60	43
06102020 (Tag 2)	-27.9638	153.4626	11:11–16:30; 319 minutes	7.5 + 14.1 km (estimated)	5 km/h over 14 km	52	8

Table S2. Itemised budget for GPS/GSM suction cup tag

Component	Company	Approximate costs in AUD
GPS/GSM tag, Oyster 2	Gofinder	200 AUD
Micro CTD	Star Oddi DST	800 AUD
VHF transmitter	ATS F1840 B	300 AUD
Magnesium release	www.underseareleases.com	3 AUD
Wireless charger	Ebay or Amazon	25 AUD
Customized 'payload module' suction cup float for whales with VHF receptacle	CATS	1 500 AUD
'Payload module' with integrated GPS/GSM tag, wireless charging modification and battery upgrade	CATS	750 AUD
Estimated Total Cost		3 500 AUD