Skin deep: An assessment of New Zealand blue whale skin condition

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Supplementary Materials

Table S1. Definitions for photo quality scoring.

Photo quality score	Definition				
	Minute details easily distinguishable				
Excellent	Morphological differences are apparent				
	 Photo is in-focus, with good clarity 				
	Photo is not too dark or bright				
Good	• Missing one element from receiving a score of "excellent" (e.g.				
	focus, clarity, brightness)				
	Markings are still easily discernable				
Fair	 Photo does not qualify as "good", but most markings are 				
	discernable				
	Cookie cutter shark bite phase may not be identifiable				
	Minute details are not distinguishable				
	 Photo is out-of-focus, too dark, or too far away 				
Poor	 May be possible to determine marking presence, but lesion 				
	severity and cookie cutter shark bite phase cannot be				
	determined and receives a score of CBD				

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Table S2. The number and proportion of blue whale adults with each phase of cookie cutter shark bite healing morphology present. Note that whales could have more than phase present at one time, therefore the percentages for each phase category will add to >100%.

Season	N	No bites	Phase 1	Phase 2	Phase 3	Phase 4
Spring	7	1 (14%)	1 (14%)	3 (42%)	5 (71%)	7 (100%)
Summer	100	1 (1%)	18 (18%)	27 (27%)	70 (70%)	71 (71%)
Fall	12	0 (0%)	3 (25%)	4 (33%)	8 (66%)	7 (58%)
Winter	18	1 (5%)	6 (33%)	8 (44%)	14 (77%)	17 (94%)

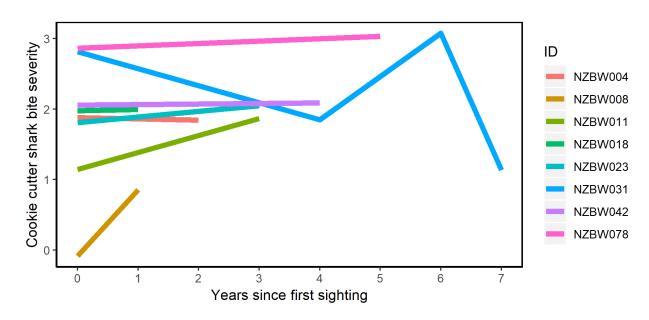


Figure S1. Cookie cutter shark bite severity scores over time for blue whales photographed in multiple years. Each line represents one individual whale.

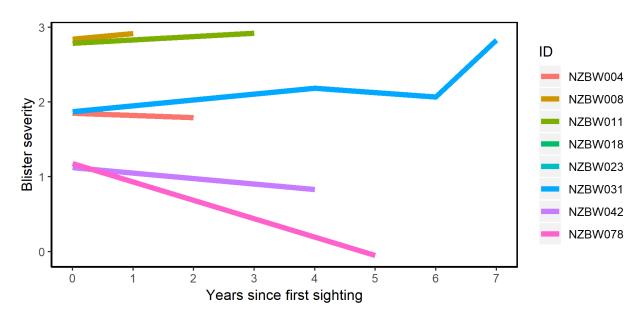


Figure S2. Blister severity scores over time for blue whales photographed in multiple years. Each line represents one individual whale.