

# Mid-Frequency Song and Low-Frequency Calls of Sei Whales in the Falkland Islands

Salvatore Cerchio<sup>1</sup> and Caroline R. Weir<sup>2</sup>

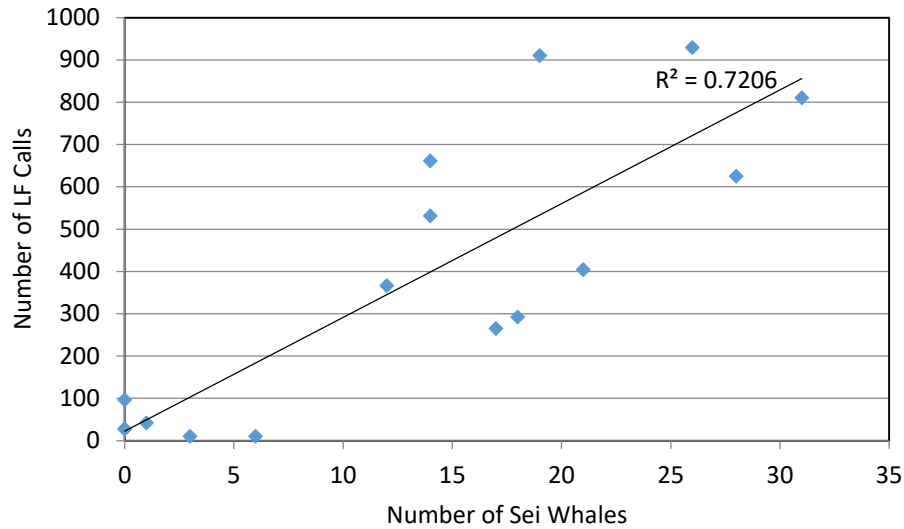
<sup>1</sup>*African Aquatic Conservation Fund, P.O. Box 366, Chilmark, MA 02535*

<sup>2</sup>*Falklands Conservation, Jubilee Villas, Ross Road, Stanley FIQQ 1ZZ, Falkland Islands*

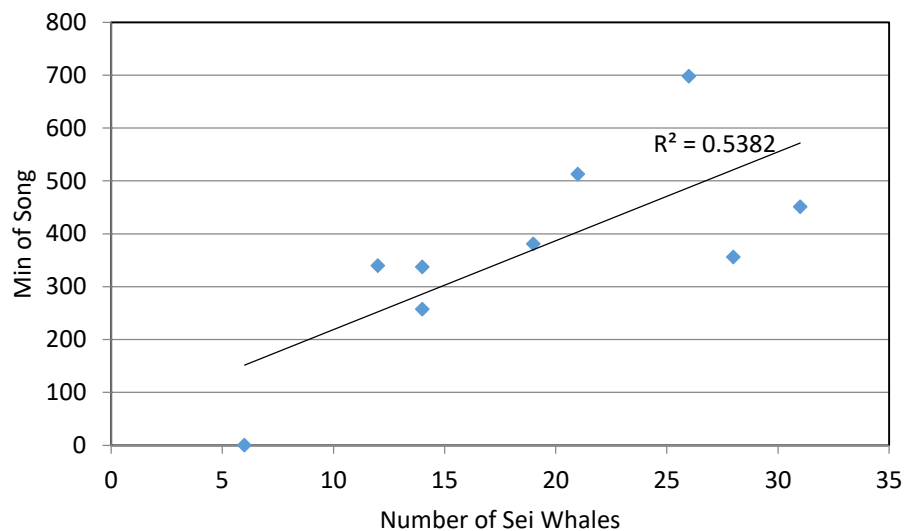
## SUPPLEMENTARY MATERIAL

**Table S1.** Results of 16 days of boat-based visual surveys conducted in Berkeley Sound between 25 January and 23 April 2019 during the recording period of Deployment 1, in terms of survey effort (in hours surveying and kilometres of track line) and the number of groups and individual sei whales sighted (not accounting for individual re-sights between days); also shown are the number of LF calls (downsweeps and L-calls) that were detected with LFDCS (“# Calls”), and the minutes of song logged during manual spectrographic review (“Song (m)”) during each day of boat survey effort.

Date	Survey Effort		Sei Whales			
	Hours	Kilometres	Groups	Animals	# Calls	Song (m)
25-Jan-2019	7.2	116.4	0	0	27	0
31-Jan-2019	6.4	106.7	1	1	42	0
1-Feb-2019	6.1	116.3	2	3	10	0
4-Feb-2019	7.2	117.7	0	0	27	0
22-Feb-2019	7.3	97.8	8	17	265	52
23-Feb-2019	6.1	94.7	8	18	292	52
26-Feb-2019	6.1	95.8	0	0	96	16
2-Mar-2019	7.1	110.7	5	14	531	257
10-Mar-2019	7.0	89.9	11	14	661	337
13-Mar-2019	7.8	122.2	16	31	810	451
21-Mar-2019	8.0	114.4	14	28	625	356
22-Mar-2019	7.6	105.0	12	19	910	381
24-Mar-2019	9.2	129.1	18	26	929	697
1-Apr-2019	8.8	116.9	8	21	404	513
16-Apr-2019	6.2	119.1	4	6	10	0
23-Apr-2019	6.2	96.9	6	12	366	339
Total	114.2	1749.5	113	210	6005	3450



**Figure S1.** Correlation between the number of sei whales sighted during boat surveys and the number of LF calls (downsweeps and L-calls) detected by the LFDCS analysis on the same days.



**Figure S2.** Correlation between the number of sei whales sighted during boat surveys and the minutes of song logged during the manual spectrographic review on the same days, restricted to the primary period of singing activity between 1 March and 23 April 2019, based upon the marked increase in hours with song present from 22 February to 1 March (Figure 9), and the total number of minutes of song logged each day after March 1 (Table S1).