The Sex Life of Harbor Porpoises (*Phocoena phocoena*): Lateralized and Aerial Behavior

Supplemental Material

William Keener,[1] Marc A. Webber,[1] Isidore D. Szczepaniak,[1]
Tim M. Markowitz,[1,2] and Dara N. Orbach[3]

[1]*Golden Gate Cetacean Research, 9 Edgemar Way, Corte Madera, CA 94925, USA*
E-mail: bill.keener@comcast.net
[2]*University of California, Berkeley, Department of Integrative Biology, 3040 VLSB, Berkeley, CA 94720, USA*
[3]*Dalhousie University, Department of Biology, 1355 Oxford Street, Halifax, NS B3H4R2 Canada*

Supplementary Table 1. Summary data for 19 mating events with both sexes known: all males with penis visible and all females with dependent calves

Sexual approach:	Attempt (contact) 13	Attempt (noncontact) 2	Display (no body roll) 3	Display (body roll) 1	Total	%
Initial position of ♂ to ♀[a]						
Left	0	1	0	0	1	50.0
Right	0	0	0	0	0	--
Under	1	0	0	0	1	50.0
Behind	0	0	0	0	0	--
Position of ♂ when nearest to ♀						
Left	13	2	3	1	19	100.0
Right	0	0	0	0	0	--
Under	0	0	0	0	0	--
Behind	0	0	0	0	0	--
Position of ♀						
At surface	12	1	2	1	16	84.0
Under water	1	1	1	0	3	16.0
Aerial behavior of ♂						
Aerial	8	1	0	0	9	47.0
At surface	3	1	3	0	7	37.0
Under water	2	0	0	1	3	16.0
Group dynamics						
Initiation by ♂	13	2	3	1	19	100.0
Initiation by ♀	0	0	0	0	0	--
Other adults present	1	0	0	0	1	5.0
Calf separated	6	1	0	0	7	41.0
Seasonality[b]						
Winter	2	2	1	0	5	26.3
Spring	7	0	2	0	9	47.4
Summer	3	0	0	1	4	21.1
Autumn	1	0	0	0	1	5.3

[a]Analysis of two videos only
[b]Winter = November-January; spring = February-April; summer = May-July; and autumn = August-October

Supplementary Table 2. Summary data for 58 mating events with known males, all with penis visible

Sexual approach	Attempt (contact) 39	Attempt (noncontact) 9	Display (no body roll) 8	Display (body roll) 2	Total	%
Target porpoise						
♀ with calf	9	2	2	1	14	24.0
♀ without calf	30	7	6	1	44	76.0
Initial position of ♂ to ♀[a]						
Left	0	2	1	0	3	33.0
Right	3	0	0	0	3	33.0
Under	1	0	0	0	1	11.0
Behind	1	1	0	0	2	22.0
Position of ♂ when nearest target						
Left	39	9	8	2	58	100.0
Right	0	0	0	0	0	--
Under	0	0	0	0	0	--
Behind	0	0	0	0	0	--
Position of target						
At surface	35	5	5	1	46	79.0
Under water	4	4	3	1	12	21.0
Aerial behavior of ♂						
Aerial	29	5	0	0	34	59.0
At surface	1	2	8	0	11	19.0
Under water	9	2	0	2	13	22.0
Group dynamics						
Initiation by ♂	39	9	8	2	58	100.0
Initiation by ♀	0	0	0	0	0	--
Other adults present	7	1	0	0	8	14.0
Calf separated	5	1	0	0	6	43.0
Seasonality[b]						
Winter	13	4	2	1	20	35.0
Spring	14	3	6	0	23	40.0
Summer	6	2	0	1	9	15.0
Autumn	6	0	0	0	6	10.0

[a]Analysis of nine videos only
[b]Winter = November-January; spring = February-April; summer = May-July; and autumn = August-October