

Hub

ScienceDirect

Scopus

Applications

Register

Login

Go to SciVal Suite

Ministerio de Ciencia, Tecnología e Innovación Productiva

Presidencia de la Nación

Home

Publications

Search

My settings

My alerts

Help

Download PDF

Export citation

Jump to References

More options...

Search ScienceDirect

Search



Animal Behaviour

Volume 43, Issue 4, April 1992, Pages 541–548



Group breeding in sea lions: pups survive better in colonies

Claudio Campagna*,†, Claudio Bisioli‡, Flavio Quintana*, Fabian Perez‡, Alejandro Vila‡

* Centro Nacional Patagónico, 9120 Puerto Madryn, Chubut, Argentina

† Wildlife Conservation International, New York Zoological Society, Bronx Zoo, New York 10460, U.S.A.

‡ Museo Argentino de Ciencias Naturales, Av. Angel Gallardo 470, 1427 Buenos Aires, Argentina

[http://dx.doi.org/10.1016/S0003-3472\(05\)81014-0](http://dx.doi.org/10.1016/S0003-3472(05)81014-0), [How to Cite or Link Using DOI](#)
[Permissions & Reprints](#)

Abstract

Otariids are sexually dimorphic, polygynous and highly gregarious marine mammals. Females give birth and mate in large colonies during the annual breeding season. The effect of female grouping on reproductive success was studied by comparing female southern sea lions, *Otaria byronia*, raising pups in rookeries of hundreds of individuals, and in solitary mating pairs of one male and one female, at a distance from traditional breeding places. Only 1 of 143 pups born to gregarious females at Punta Norte, Peninsula Valdés, Argentina, died before the end of the breeding season, as opposed to 60% (34) of 57 pups born from solitary mating pairs. The main causes of pup death were infanticide by conspecific young males, and starvation, following mother-pup separation and failure to reunite. Pups in colonies were more protected from harassment by subordinate males and were readily found by mothers returning from feeding trips. Females benefit from group breeding through increased survival of their pups.

There are no figures or tables for this document.

Copyright © 1992 Published by Elsevier Ltd.

About ScienceDirect

Information for advertisers

About Elsevier

Terms and conditions

Contact and support

Privacy policy

ELSEVIER

Copyright © 2013 Elsevier B.V. All rights reserved. SciVerse® is a registered trademark of Elsevier Properties S.A., used under license. ScienceDirect® is a registered trademark of Elsevier B.V.

Cookies are used by this site. To decline or learn more, visit our [Cookies](#) page

Bibliographic information

Citing and related articles

Related articles

Aggressive Behavior, Intraspecific

2009, Encyclopedia of Marine Mammals (Second Editi...

Show more information

South American Sea Lion: Otaria flav...

2009, Encyclopedia of Marine Mammals (Second Editi...

Show more information

Cited by in Scopus (39)

Related reference work articles

No articles found.

Applications and tools

Workspace

1 de 1

21/08/2013 15:30