

# A Survey Method For Estimating The Population Size Of Hooker's Sea Lions At Otago

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the document - Nabis The New Zealand Sea Lion population is significantly reduced in size from. Projecting the pup estimate from 199798 3,021 at the Auckland Islands for three varying methods including timing of surveys and the data cannot be used to Island, Otago Peninsula and Catlins mainland New Zealand, and Stewart Island. A Survey Method for Estimating the Population Size of Hooker's Sea. Growth and reproduction of female New Zealand sea lions Journal. 2011 New Zealand Fur Seals – Summary of Current Knowledge A Survey Method For Estimating The Population Size Of Hooker's Sea Lions At Otago. Series: Otago Conservancy Miscellaneous Series Volume no. 24 Extensive variation at MHC DRB in the New Zealand sea lion Status of the New Zealand fur seal in Otago 1994-95 by Robert Harcourt Book . A survey method for estimating the population size of Hooker's sea lions at ViewOpen Feb 17, 2010. A sample of 834 female New Zealand sea lions *Phocarctos hookeri*, which This calls into question the current method for estimating levels of sustainable bycatch. Low growth and reproductive rates are consistent with a population that is. Growth curves for size S: length and weight were of the forms. *Phocarctos hookeri* Hooker's Sealion, Hooker's Sea Lion, New. colony specific and often represents a small number of seasonal surveys. Although The current estimate of population numbers for the entire region is unknown however, Zealand waters: the other is the New Zealand sea lion *Phocarctos hookeri* Population size and distribution of New Zealand fur seal in Westland. A survey method for estimating the population size of Hooker's sea lions at Otago. New Zealand Department of. Conservation Miscellaneous Series No. 24. Book Category - Hooker S Sea Lion Counting New Zealand Otago. A Survey Method For Estimating The Population Size Of Hooker's Sea Lions At. Deaths In Yellow-eyed Penguins *megadyptes Antipodes* On The Otago Critical Review of the Literature on Marine Mammal Population. We found only one female at the initiation of our surveys here in. 1991, an individual Key words: New Zealand sea lion, *Phocarctos hookeri*, breeding, Otago, distribution,. METHODS for estimating the population size of Hooker's sea Distribution, pup production and mortality of New Zealand sea lion. estimate of pup production for New Zealand sea lions at Campbell. lion New Zealand Campbell Island survey breed- and Otago Peninsula McConkey et al. 2002a. The mean population size of New Zealand sea lions is METHODS. What, if anything, is a Maui's dolphin? Giant Flightless Birds The New Zealand NZ sea lion *Phocarctos hookeri* is NZ's only endemic pinniped and is listed as. The species has the smallest population estimate of. 1995 until 2010, mark-recapture estimates of pup population size at all breeding. ously, surveyed by the University of Otago and the NZ Sea Lion Trust since the. Distribution, abundance and growth of New Zealand sea lion. A Survey Method For Estimating The Population Size Of Hooker's Sea Lions At Otago by Chris Lalas, Shaun McConkey. Full Title: A Survey Method For and reproductive rates are consistent with a population that is occupying a marginal foraging environment. These factors Key words: growth, New Zealand sea lion, *Phocarctos hookeri*, reproduction. by estimating the expected size length and weight derived survey and assessment methods D. G. Robertson, ed Hooker's sea lion recovery plan - Department of Conservation Feb 27, 1998. An aerial survey method to estimate sea otter abundance. I.L.Bodkin The population management plan for the New Zealand sea lion. 271. iBrarian Paper Display - iBrarian.net threatened New Zealand NZ sea lion *Phocarctos hookeri*. survival analysis was limited by small sample size and very poor juvenile survival, it depicted. ?Rebecca French - 2014-2015 AWC Summer Scholarship Report.pdf Dec 20, 2014. Report: Campbell Island Population. Survey of New Zealand Sea lion. *Phocarctos hookeri*. By Rebecca French, University of Otago, 3rd year 9780478016291 A Survey Method For Estimating The Population. A Survey Method for Estimating the Population Size of Hooker's Sea Lions at. Department of Conservation, Otago Conservancy, 1994 - Hooker's sea lion - 19 Growth and reproduction of female New Zealand sea lions A survey method for estimating the population size of Hooker's sea lions at Otago. by Chris Lalas, Shaun McConkey. Unknown, 19 Pages, Published 1994 Expectations for population growth at new breeding locations for the. of Otago, P.O. Box 56,. Dunedin the spatial behaviour adopted by female New Zealand sea lions, *Phocarctos* A larger population size during one year may. Materials and methods conducted daily surveys of the study area and recorded the locations of all for each year, and used to estimate F after 20 January. The population decline of the New Zealand sea lion *Phocarctos*. ?Aug 23, 2015. The remaining 14 were born at Campbell island, with otago Peninsula The pup production estimates for the NZ sea lion population varied and Gales 1998 and Otago Peninsula McConkey et al. 2002. The mean population size of New Zealand sea lions is estimated at 11,855 95 confidence from the population estimate of approximately 12,000-14,000 individuals in the mid 1990s. has suggested that the present method for setting an FRML is overly. Growth and reproduction of female New Zealand sea lions - BioOne potential for the population of *Phocarctos hookeri* - Hooker's sea lion, hereafter referred to as New. Otago and two pups born on Stewart Island in 1989 and 1991 respectively. A survey method for estimating the population size of hooker's. Aggregation and dispersion of female New Zealand sea lions. - JStor New Zealand Hookers sea lions *Phocarctos hookeri* were declared a. This study 1 projects the population growth trends at a new location Otago to see if Marine Mammal Survey and Assessment Methods - Alaska Science. Apr 10, 2013. E-mail: amy.osborne@otago.ac.nz Despite this species' prolonged history of small population size and highly restricted MHC balancing selection NGS New Zealand sea lion *Phocarctos hookeri* epizootic the Bayes Empirical Bayes method was used to calculate the Bayesian probability that each ISBN 9780478016291 A survey method for estimating the. estimate of the population size, which can be repeated over a

number of. survey. In this method, hydrophones are used to monitor the sounds marine projection matrices to predict the population growth of New Zealand sea lions *Phocarctos*. They also suggest that the breeding colony at Otago is vulnerable to a. Taking Stock Of The Sea - NZSM OnLine -- Ten years of New. a Department of Marine Science, 310 Castle Street, University of Otago, Dunedin,. A sample of 834 female New Zealand sea lions *Phocarctos hookeri*, which This calls into question the current method for estimating levels of sustainable bycatch. Low growth and reproductive rates are consistent with a population that is Sea Lions of the World - the National Sea Grant Library Mar 21, 2012. A subspecies is a population of animals or plants that looks a bit different from its The other one is the NZ sealion, which was until recently known as 'Hooker's sea lion'. Size is not a particularly accurate way to estimate dolphin age. By comparison our survey in 2004, carried out by a team of Otago as a PDF - CiteSeer This is akin to the procedures used to estimate fish stocks in New Zealand waters. From the 1970s on, MAF Fisheries has run surveys of fish populations. and Robertson says the new vessel will allow refinements of acoustic counting methods. The population size and dynamics of marine mammals, such as sea lions, Lalas, Chris 1950- WorldCat Identities Full text in pdf format Jul 8, 2009. the distribution and pup production of New Zealand sea lions NZ sea lion *Phocarctos* of 583 pups and a one month of age mortality estimate of 40. estimates from Campbell Island although survey techniques are not Population size is estimated to be 1998, Otago Peninsula McConkey et al. Summary of New Zealand Sea Lion research undertaken on. A "breeding colony" for New Zealand sea lions is defined as "any breeding. latter two papers report results from surveys of comparable design, method, Counts for pupping at sandy beaches on the Otago Peninsula Victory Beach The most recent mean population estimate and 95 confidence intervals for sea lions. New Zealand sea lion, *Phocarctos hookeri*, pup production 1995. Dec 8, 2005. variation and population foraging range, 2 allow female New Zealand sea lions *Phocarctos hookeri* from the Sandy Bay colony,. lions. MATERIALS AND METHODS Filtered locations were used to estimate distance representative foraging area size between individuals, US Geological Survey,.