

Publications

Peer reviewed articles

Deagle, B.E., N.J. Gales and M.A. Hindell (2008) Variability in foraging behaviour of chick-rearing macaroni penguins *Eudyptes chrysolophus* and its relation to diet. Marine Ecology Progress Series 259: 359:295–309.

Deagle, B.E. and D.J. Tollit (2007) Quantitative analysis of prey DNA in pinniped faeces: potential to estimate diet composition? Conservation Genetics 8:743-747

Deagle B.E., Gales N.J., Evans K., Jarman S.N., Robinson S., Trebilco R. and M.A. Hindell (2007) Studying seabird diet through genetic analysis of faeces: a case study on macaroni penguins (*Eudyptes chrysolophus*) PLoS ONE 2: e831

Casper, R.M., S.N. Jarman, **B.E. Deagle**, N.J. Gales and M.A. Hindell MA (2007) Detecting prey from DNA in predator scats: a comparison with morphological analysis, using *Arctocephalus* seals fed a known diet. Journal of Experimental Marine Biology and Ecology. 347:144–154

Deagle, B.E., J.P. Eveson and S.N. Jarman (2006) Quantification of damage in DNA recovered from highly degraded samples — a case study on DNA in faeces. Frontiers in Zoology e3:11

Deagle, B.E., D.J. Tollit, S.N. Jarman, M.A. Hindell, A.W. Trites and N.J. Gales (2005) Molecular scatology as a tool to study diet: analysis of prey DNA in scats from captive Steller sea lions. Molecular Ecology 14:1831-1842

Deagle, B.E., S.N. Jarman, D. Pemberton and N.J. Gales (2005) Genetic screening for prey in gut contents from giant squid (*Architeuthis* sp.). Journal of Heredity 96:417- 423

Patil, J.G., R. M. Gunasekera, **B.E. Deagle** and N.J. Bax (2005) Specific detection of Pacific oyster (*Crassostrea gigas*) larvae in plankton samples using nested polymerase chain reaction. Marine Biotechnology 7:11-20

Patil, J.G., R. M. Gunasekera, **B.E. Deagle**, N.J. Bax and S.I. Blackburn (2005) Development and evaluation of a PCR-based assay for detection of the toxic dinoflagellate, *Gymnodinium catenatum* (Graham) in ballast water and environmental samples. Biological Invasions 7:983-994

Jarman, S.N., **B.E. Deagle** and N.J. Gales (2004) Group-specific polymerase chain reaction for DNA-based analysis of species diversity and identity in dietary samples. Molecular Ecology 13:1313-1322

Deagle, B.E., N. Bax, C.L. Hewitt and J.G. Patil (2003) Development and evaluation of a PCR-based test for detection of *Asterias* (Echinodermata: Asteroidea) larvae in Australian plankton samples from ballast water. Marine and Freshwater Research 54:709-719

Beacham, T.D., K.J. Supernault, M. Wetklo, **B. Deagle**, K. Labaree, J.R. Irvine, J.R. Candy, K.M. Miller, R.J. Nelson and R.E. Withler. (2003). The geographic basis for population structure in Fraser River Chinook salmon (*Oncorhynchus tshawytscha*). Fishery Bulletin 101:229-242

Beacham, T.D., J.R. Candy, K.J. Supernault, T. Ming, **B. Deagle**, A. Schultz, D. Tuck, K. Kaukinen, J.R. Irvine, K.M. Miller and R.E. Withler (2001) Evaluation and application of microsatellite and major histocompatibility complex variation for stock identification of Coho salmon in British Columbia. Transactions of the American Fisheries Society 130:1116-1155

Deagle, B.E., T.E. Reimchen and D.B. Levin (1996) Origins of endemic stickleback from the Queen Charlotte Islands: mitochondrial and morphological evidence. Canadian Journal of Zoology 74:1045-1056

Other publications

Tollit, D.J., S.G. Heaslip, **B.E. Deagle**, S. Iverson, R. Joy and A.W. Trites (2006) Estimating Diet Composition in Sea Lions: What Technique to Choose? In the book: Sea lions of the world. (eds. Trites, A., S. Atkinson, D. DeMaster, L. Fritz, T. Gelatt, L. Rea and K. Wynne). Alaska Sea Grant College Program, University of Alaska Fairbanks

Deagle, B.E. and S.N. Jarman (2008) Estimation of marine mammal age by measurement of accumulated mitochondrial DNA mutations and age-dependent gene expression Final Report: Australian Government – Department of the Environment and Water Resources, 32 pp.