

## Chapter 48

### Scientific output of LMR/EAF/03/02

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Ten papers acknowledging the BCLME project LMR/EAF/03/02 have been published in peer-reviewed journals. A further 19 have been submitted or will soon be submitted.

#### Peer-reviewed publications

- Altwegg R, RJM Crawford, LG Underhill, AP Martin, PA Whittington (In press) **Geographic variation in reproduction and survival of Kelp Gulls *Larus dominicanus vetula* in southern Africa.** *Journal of Avian Biology*.
- Crawford RJM, P Barham, LG Underhill, LJ Shannon, JC Coetzee, BM Dyer, TM Leshoro, L Upfold (2006) **The influence of food availability on breeding success of African Penguins (*Spheniscus demersus*) at Robben Island, South Africa.** *Biological Conservation* 132: 119–125.
- Crawford RJM, LG Underhill, L Upfold, BM Dyer (2007) **An altered carrying capacity of the Benguela upwelling system for African Penguins (*Spheniscus demersus*).** *ICES Journal of Marine Science* 64: 570–576.
- Crawford RJM, BL Dundee, BM Dyer, NTW Klages, MA Mejer, L Upfold (2007) **Trends in numbers of Cape Gannets (*Morus capensis*), 1956/1957–2005/2006, with a consideration of the influence of food and other factors.** *ICES Journal of Marine Science* 64: 169–177.
- Crawford RJM, E Goya, J-P Roux, CB Zavalaga (2006) **Comparison of assemblages and some life-history traits of seabirds in the Humboldt and Benguela systems.** *African Journal of Marine Science* 28: 553–560.
- Kirkman SP, WH Oosthuizen, MA Mejer, PGH Kotze, J-P Roux, LG Underhill (2007) **Making sense of censuses and dealing with missing data: trends in pup counts of Cape Fur Seal *Arctocephalus pusillus pusillus* for the period 1972–2004.** *African Journal of Marine Science* 29(2): 161–176.
- Makhado AB, RJM Crawford, LG Underhill (2006) **Impact of predation by Cape Fur Seals *Arctocephalus pusillus pusillus* on Cape Gannets *Morus capensis* at Malgas Island, Western Cape, South Africa.** *African Journal of Marine Science* 28: 681–687.
- Underhill LG, RJM Crawford, AC Wolfaardt, PA Whittington, BM Dyer, TM Leshoro, M Ruthenburg, L Upfold, J Visagie (2006) **Regionally coherent trends in colonies of African Penguins *Spheniscus demersus* in the Western Cape, South Africa, 1987–2005.** *African Journal of Marine Science* 28: 697–704.
- Underhill LG, RJM Crawford, DM Harebottle, KMC Tjørve (in press) **The development of the heronry on Robben Island, Western Cape, South Africa, 1980–2005.** *Ostrich*.

Waller LJ, LG Underhill (2007) **Management of avian cholera *Pasteurella multocida* outbreaks on Dyer Island, South Africa, 2002–2005.** *African Journal of Marine Science* 29: 105–111.

#### Papers submitted or soon to be submitted

- Barham, PJ, LG Underhill, RJM Crawford, R Altwegg, TM Leshoro, DA Bolton, BM Dyer, L Upfold. **Hand-reared African Penguin chicks orphaned in the *Treasure* oil spill in 2000: survival, age at first breeding and breeding productivity.**
- Bouwuis S, GH Visser, LG Underhill. **Energy budget of African Penguin *Spheniscus demersus* chicks.**
- Crawford RJM. **Food, fishing, the environment and seabirds in the Benguela upwelling system.**
- Crawford RJM. **Trends in numbers of three cormorants *Phalacrocorax* spp. breeding in South Africa's Western Cape Province.**
- Crawford RJM, BM Dyer, J Kemper, RE Simmons, L Upfold, F vaz Velho. **Trends in numbers of Cape Cormorants (*Phalacrocorax capensis*) over a 50 year period, 1956/57–2006/07.**
- Crawford RJM, T Fairweather, LG Underhill, AC Wolfaardt. **Implications for seabirds of an unfavourable, long-term change in the distribution of prey: a South African experience.**
- Crawford RJM, LG Underhill, R Altwegg, L Upfold, BM Dyer. **The influence of culling, predation and food on Kelp Gulls *Larus dominicanus* off western South Africa.**
- Crawford, RJM, LG Underhill, JC Coetzee, T Fairweather, LJ Shannon, AC Wolfaardt. **Influences of the abundance and distribution of prey on African Penguins *Spheniscus demersus* off western South Africa.**
- Crawford RJM, PA Whittington, BM Dyer and L Upfold. **Trends in numbers of Leach's Storm Petrel, Hartlaub's Gull and Swift and Roseate Terns breeding in South Africa.**
- de Ponte Machado M. **Is predation on seabirds a new foraging behaviour for Great White Pelicans? History, foraging strategies and prey defensive responses.**
- Kemper J, J-P Roux, PA Bartlett, YJ Chesselet, JA Delport, JAC James, R Jones, LG Underhill, N-N Uhongora, S Wepener. **The African Penguin *Spheniscus demersus*: population estimates, trends, adult survival and age structure from molt and nest counts.**

- Kemper J, J-P Roux LG Underhill. **Breeding in bins: do artificial burrows improve breeding success of African Penguins (*Spheniscus demersus*) on Halifax Island, Namibia?**
- Kemper J, J-P Roux, LG Underhill **Effect of age and breeding status on molt phenology of adult African Penguins *Spheniscus demersus* in Namibia**
- Kemper J, LG Underhill, J-P Roux, PA Bartlett, YJ Chesselet, JAC James, R Jones, N-N Uhongora, S Wepener. **Breeding patterns and factors influencing breeding success of African Penguins *Spheniscus demersus* in Namibia.**
- Kemper J, LG Underhill, RJM Crawford, SP Kirkman **Revision of the conservation status of seabirds and seals breeding in the Benguela Ecosystem.**
- Kirkman SP, WH Oosthuizen, MA Meyer, PGH Kotze, M Boucher, LG Underhill. **Ecological responses of Cape fur seals to temporal shifts in pelagic prey availability.**
- Mecenero S, J-O Krakstad, J-P Roux, LG Underhill. **Can seal diet predict future catches of commercial prey?**
- Mullers RHE, RA Navarro RA, LG Underhill LG, GH Visser. **Breeding in a dynamic system: intra- and inter-seasonal variability in foraging behaviour and chick growth of Cape Gannets.**
- Underhill LG, RJM Crawford. **Indexing the availability of anchovy and sardine to seabird predators in the southern Benguela ecosystem.**
- Visser GH, T Bakker, KM Tjørve, LG Underhill. **Prefledging energetics of Kelp Gull (*Larus dominicanus vetula*) chicks in a warm environment.**
- Ward VL, HD Oschadleus, LG Underhill LG. **Primary moult of the Kelp Gull *Larus dominicanus vetula* in the Western Cape, South Africa.**

