

PENGUIN RESEARCH

at the

ANIMAL DEMOGRAPHY UNIT

PUBLICATIONS and

STUDENTS

1. Papers in refereed journals
2. Books and contributions to books
3. Papers at international conferences
4. Published conference proceedings
5. Postgraduate students with penguin research projects

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1. Papers in refereed journals

- Crawford RJM, Underhill LG, Raubenheimer CM, Dyer BM, Märtin J** 1992. Top predators in the Benguela Ecosystem – implications of their trophic position. *South African Journal of Marine Science* 12: 675–687.
- Whittington PA, Hofmeyr JH, Cooper J** 1996. Establishment, growth and conservation of a mainland colony of Jackass Penguins *Spheniscus demersus* at Stony Point, Betty's Bay, South Africa. *Ostrich* 67: 144–150.
- Underhill LG, Whittington PA, Crawford RJM, Williams AJ** 1997. Results of monitoring oiled African Penguins *Spheniscus demersus* for three years after the *Apollo Sea* incident of June 1994. *Sula* 11: 187–192.
- Whittington PA** 1997. Is cleaning penguins worth the effort? Results from flipper banding. *The Ring*. 19: 149–151.
- Crawford RJM, Shannon LJ, Whittington PA** 1999. Population dynamics of the African Penguin *Spheniscus demersus* at Robben Island. *Marine Ornithology* 27: 139–148.
- Underhill LG, Bartlett PA, Baumann L, Crawford RJM, Dyer BM, Gildenhuis A, Nel DC, Oatley TB, Thornton M, Upfold L, Williams AJ, Whittington PA, Wolfaardt AC** 1999. Mortality and survival of African Penguins *Spheniscus demersus* involved in the *Apollo Sea* oil spill: an evaluation of rehabilitation efforts. *Ibis* 141: 29–37.
- Underhill LG, Crawford RJM** 1999. Period of moult of African Penguins at Robben Island, South Africa, and its variation, 1988–1998. *South African Journal of Marine Science* 21: 437–441.
- Wilkinson C, Esmonde-White D, Underhill LG, Whittington PA** 1999. African Penguins *Spheniscus demersus* along the KwaZulu-Natal coast, 1981–1999. *Marine Ornithology* 27: 111–113.
- Whittington PA** 1999. The contribution made by cleaning oiled African Penguins *Spheniscus demersus* to population dynamics and conservation of the species. *Marine Ornithology* 27: 177–180.
- Crawford RJM, Davis SA, Harding R, Jackson LF, Leshoro TM, Meyer MA, Randall RM, Underhill LG, Upfold L, van Dalsen AP, van der Merwe E, Whittington PA, Williams AJ, Wolfaardt AC** 2000. Initial impact of the *Treasure* oil spill on seabirds off western South Africa. *South African Journal of Marine Science* 22: 157–176.
- Crawford RJM, Shannon LJ, Whittington PA, Murison G** 2000. Factors influencing growth of the African Penguin colony at Boulders, South Africa, 1985–1999. *South African Journal of Marine Science* 22: 111–119.
- Underhill LG, Whittington PA, Crawford RJM, Williams AJ, Wolfaardt AC** 2000. Five years of monitoring African Penguins *Spheniscus demersus* after the *Apollo Sea* oil spill: a success story made possible by ringing. *Vogelwarte* 40: 215–218.
- Whittington PA, Dyer BM, Klages NTW** 2000. Maximum longevities of African Penguins *Spheniscus demersus* based on banding records. *Marine Ornithology* 28: 81–82.
- Crawford RJM, David JHM, Shannon LJ, Kemper J, Klages NTW, Roux J-P, Underhill LG, Ward VL, Williams AJ, Wolfaardt AC** 2001. African Penguins as predators and prey – coping (or not) with change. *South African Journal of Marine Science* 23: 435–447.
- Kemper J, Roux J-P, Barlett PA, Chesselet YJ, James JAC, Jones R, Wepener S, Molly FJ** 2001. Recent population trends of African Penguins *Spheniscus demersus* in Namibia. *South African Journal of Marine Science* 23: 429–434.
- Wolfaardt AC, Underhill LG, Crawford RJM, Klages NTW** 2001. Results of the 2001 census of African Penguins *Spheniscus demersus* in South Africa: first measures of the impact of the *Treasure* oil spill on the breeding population. *Transactions of the Royal Society of South Africa* 56: 45–49.
- Bartlett PA, Roux J-P, Jones R, Kemper J** 2003. A new mainland breeding locality for African Penguins, Bank and Crowned Cormorants on the Namib desert coast. *Ostrich* 74: 222–225.
- Crawford RJM, Cooper J, Dyer BM, Greyling MD, Klages NTW, Ryan PG, Petersen SL, Underhill LG, Upfold L, Wilkinson W, de Villiers MS, du Plessis S, du Toit M, Leshoro TM, Makhado AB, Mason MS, Merkle D, Tshingana D, Ward VL, Whittington PA** 2003

- Populations of surface-nesting seabirds at Marion Island, 1994/95–2002/03. *African Journal of Marine Science* 25: 427–439.
- David JHM, Cury P, Crawford RJM, Randall RM, Underhill LG, Meÿer MA** 2003. Assessing conservation priorities in the Benguela ecosystem, South Africa: analysing predation by seals on threatened seabirds. *Biological Conservation* 114: 289–292.
- Roux J-P, Kemper J, Bartlett PA, Dyer BM, Dundee BL** 2003. African Penguins *Spheniscus demersus* recolonise a formerly abandoned nesting locality in Namibia. *Marine Ornithology* 31: 203–205
- Simmons RE, Kemper J** 2003. Cave breeding by African Penguins near the northern extreme of their range: Sylvia Hill, Namibia. *Ostrich* 74: 217–221.
- Parsons NJ, Underhill LG** 2005. Oiled and injured African Penguins *Spheniscus demersus* and other seabirds admitted for rehabilitation in the Western Cape, South Africa, 2001 and 2002. *African Journal of Marine Science* 27: 289–296.
- Petersen SL, Branch GM, Crawford RJM, Cooper J, Underhill LG** 2005. The future for flipper banding African Penguins: discussion, guidelines and recommendations. *Marine Ornithology* 33: E1–E4.
- Kemper J, Roux J-P** 2005. Of squeezers and skippers: factors determining the age at moult of immature African Penguins *Spheniscus demersus* in Namibia. *Ibis* 147: 346–352.
- Underhill LG, Crawford RJM** 2005. Seabirds as indicators of the health of the Benguela ecosystem. *ICES Journal of Marine Science* 62: 360–365.
- Whittington PA, Klages NTW, Crawford RJM, Wolfaardt AC, Kemper J** 2005. Age at first breeding of the African Penguin. *Ostrich* 76: 14–20.
- Whittington PA, Randall RM, Crawford RJM, Wolfaardt AC, Klages NTW, Randall BM, Bartlett PA, Chesselet YJ, Jones R** 2005. Patterns of immigration to and emigration from breeding colonies by African Penguins. *African Journal of Marine Science* 27: 205–213.
- Whittington PA, Randall RM, Randall BM, Wolfaardt AC, Crawford RJM, Klages NTW, Bartlett PA, Chesselet YJ, Jones R** 2005. Patterns of movements of the African Penguin in South Africa and Namibia. *African Journal of Marine Science* 27: 215–229.
- Barham PJ, Crawford RJM, Underhill LG, Wolfaardt AC, Barham BJ, Dyer BM, Leshoro TM, Meÿer MA, Navarro RA, Oschadleus HD, Upfold L, Whittington PA, Williams AJ** 2006. Return to Robben Island of African Penguins that were rehabilitated, relocated or reared in captivity following the *Treasure* oil spill of 2000. *Ostrich* 77: 202–209.
- Crawford RJM, Barham PJ, Underhill LG, Shannon LJ, Coetzee JC, Dyer BM, Leshoro TM, Upfold L** 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, Cooper J, Dyer BM, Underhill LG** 2006. Breeding numbers and success of *Eudyptes* penguins at Marion Island, and the influence of mass and time at arrival of adults. *CCAMLR Science*. 13: 175–190.
- Crawford RJM, Wolfaardt AC, Kemper J, Hemming M, Whittington PA, Underhill LG, Ward VL** 2006. Variation in the timing of molt of African Penguins. *Acta Zoologica Sinica* 52 Supplement: 444–447.
- Underhill LG, Crawford RJM, Wolfaardt AC, Dyer BM, Leshoro TM, Ruthenberg M, Upfold L, Visagie J, Whittington PA** 2006. Regionally coherent trends in colonies African Penguins *Spheniscus demersus* in the Western Cape, South Africa, 1987–2005. *African Journal of Marine Science* 28: 697–704.
- Barham PJ, Underhill LG, Crawford RJM, Leshoro TM** 2007. Differences in breeding success between African Penguins that were and were not oiled in the MV *Treasure* oil spill in 2000. *Emu* 107: 7–13.
- Crawford RJM, Underhill LG, Upfold L, Dyer BM** 2007. An altered carrying capacity of the Benguela upwelling ecosystem for African Penguins (*Spheniscus demersus*). *ICES Journal of Marine Science* 64: 570–576.
- Barham PJ, Underhill LG, Crawford RJM, Altwegg R, Leshoro TM, Bolton DA, Dyer BM, Upfold L** 2008. The efficacy of hand-rearing penguin chicks: evidence from African Penguins (*Spheniscus demersus*) orphaned in the *Treasure* oil spill in 2000. *Bird Conservation International*. 18: 144–152.

- Barham PJ, Underhill LG, Crawford RJM, Leshoro TM, Bolton D** 2008. Impact of flipper-banding on breeding success of African Penguins *Spheniscus demersus* at Robben Island: comparisons among silicone rubber bands, stainless steel bands and no bands. African Journal of Marine Science. 30: 595–602.
- Crawford RJM, Sabarros PS, Fairweather T, Underhill LG, Wolfaardt AC** 2008. Implications for seabirds off South Africa of a long-term change in the distribution of sardine. African Journal of Marine Science 30: 177–184.
- Crawford RJM, Tree AJ, Whittington PA, Visagie J, Upfold L, Roxburg KJ, Martin AP, Dyer BM** 2008. Recent distributional changes of seabirds in South Africa: is climate having an impact? African Journal of Marine Science 30: 189–193.
- Crawford RJM, Underhill LG, Coetzee JC, Fairweather T, Shannon LJ, Wolfaardt AC** 2008. Influences of the abundance and distribution of prey on African Penguins *Spheniscus demersus* off western South Africa. African Journal of Marine Science 30: 167–175.
- Durant JM, Hjermandt DO, Frederiksen M, Charrassin JB, Le Maho Y, Sabarros PS, Crawford RJM, Stenseth NC** 2009. Pros and cons of using seabirds as ecological indicators. Climate Research 39: 115–129.
- Kemper J, Roux J-P, Underhill LG** 2008. Effect of age and breeding status on molt phenology of adult African Penguins *Spheniscus demersus* in Namibia. Auk 125: 809–819.
- Kirkman SP** 2009. Evaluating seal-seabird interactions in southern Africa: a critical review. African Journal of Marine Science 31: 1–18.
- Wolfaardt AC, Underhill LG, Altwegg R, Visagie J** 2008. Restoration of oiled African penguins *Spheniscus demersus* a decade after the *Apollo Sea* spill. African Journal of Marine Science 30: 421–436.
- Wolfaardt AC, Underhill LG, Altwegg R, Visagie J, Williams AJ** 2008. The impact of the *Treasure* oil spill on African Penguins *Spheniscus demersus* at Dassen Island: case study of a rescue operation. African Journal of Marine Science 30: 405–419.
- Wolfaardt AC, Underhill LG, Nel DC, Williams AJ, Visagie J** 2008. Breeding success of African Penguins *Spheniscus demersus* at Dassen Island, especially after oiling following the *Apollo Sea* spill. African Journal of Marine Science 30: 565–580.
- Hampton SL, Ryan PG, Underhill LG** 2009. The effect of flipper banding on the breeding success of African Penguins *Spheniscus demersus* at Boulders Beach, South Africa. Ostrich 80: 77–80.
- Underhill LG, Sherley RB, Dyer BM, Crawford RJM** 2009. Interactions between snakes and seabirds on Robben, Schaapen and Meeuw Islands, Western Cape Province, South Africa. Ostrich 80: 115–118.
- Wolfaardt AC, Underhill LG, Crawford RJM** 2009. Comparison of moult phenology of African Penguins *Spheniscus demersus* at Robben and Dassen Islands. African Journal of Marine Science 31: 19–29.
- Wolfaardt AC, Underhill LG, Visagie J** 2009 Breeding and moult phenology of African penguins *Spheniscus demersus* at Dassen Island. African Journal of Marine Science. 31: 119–132.
- Wolfaardt AC, Williams AJ, Underhill LG, Crawford RJM, Whittington PA** 2009. Review of the rescue, rehabilitation, and restoration of oiled seabirds in South Africa, especially African Penguins *Spheniscus demersus* and Cape Gannets *Morus capensis*, 1983–2005. African Journal of Marine Science 31: 31–54.
- Sherley RB, Burghardt T, Barham PJ, Campbell N, Cuthill IC** 2010. Spotting the difference: towards fully-automated population monitoring of African Penguins *Spheniscus demersus*. Endangered Species Research 11: 101–111.

2. Books and contributions to books

- Crawford RJM, Whittington PA** 1997. Jackass Penguin. *Spheniscus demersus*. In **Harrison JA, Allan DG, Underhill LG, Herremans M, Tree AJ, Parker V, Brown CJ** (eds) The atlas of southern African birds. Vol. 1: Non-passerines. Johannesburg: BirdLife South Africa: 4–5.
- Whittington PA, Cooper J, Ellis S** (compilers) 1999. African Penguin population and habitat viability assessment. Briefing book. Apple Valley, MN: IUCN/SSC Conservation Breeding Specialist Group.

- Whittington PA** 2001. The adventures of Peter the Penguin. Avian Demography Unit: Cape Town.
- Underhill LG** 2003. Are African Penguins tough enough? A perspective on the rehabilitation of oiled birds. In **Nel DC, Whittington PA** (eds) Rehabilitation of oiled African Penguins: a conservation success story. Cape Town: BirdLife South Africa and Avian Demography Unit: 30–31.
- Nel DC, Whittington PA** (eds) 2003. Rehabilitation of oiled African Penguins: a conservation success story. BirdLife South Africa & Avian Demography Unit: Cape Town.
- Whittington PA** 2003. Post-release survival of rehabilitated African Penguins. In **Nel DC, Whittington PA** (eds). Rehabilitation of oiled African Penguins: a conservation success story. Cape Town: BirdLife South Africa & Avian Demography Unit: 8–17.
- Wolfaardt AC, Nel DC** 2003. Breeding productivity and annual cycle of rehabilitated African Penguins following oiling. In **Nel DC, Whittington PA** (eds). Rehabilitation of oiled African Penguins: a conservation success story. Cape Town: BirdLife South Africa & Avian Demography Unit: 18–24.
- du Toit M, Underhill LG, Crawford RJM** 2004. African Penguin populations in the Western Cape, South Africa. Cape Town: Avian Demography Unit: 1–16.
- Crawford RJM, Whittington PA** 2005. African Penguin *Spheniscus demersus*. In **Hockey PAR, Dean WRJ, Ryan PG** (eds) Roberts birds of southern Africa, Seventh edition. Cape Town: John Voelcker Bird Book Fund: 631–634.
- The following papers are in **Kirkman SP** (ed.) 2007. Final report of BCLME (Benguela Current Large Marine Ecosystem) project on Top Predators as Biological Indicators of Ecosystem Change in the BCLME. Avian Demography Unit, Cape Town. (All papers available online at http://www.adu.org.za/bclme_report.php)
- Barham PJ, Underhill LG, Crawford RJM, Altwegg R, Leshoro TM, Bolton DA, Dyer BM, Upfold L** 2007. Hand-reared African Penguin chicks orphaned in the Treasure oil spill in 2000: survival, age at first breeding and breeding productivity. In: **Kirkman SP** (ed.): 259–263.
- Bouwhuis S, Visser GH, Underhill LG** 2007. Energy budget of African Penguin *Spheniscus demersus* chicks. In: **Kirkman SP** (ed.): 125–127.
- Crawford RJM, Barham PJ, Underhill LG, Shannon LJ, Coetzee JC, Dyer BM, Leshoro TM, Upfold L** 2007. The influence of food availability on breeding success of African Penguins *Spheniscus demersus* at Robben Island. In: **Kirkman SP** (ed.): 107–113.
- Crawford RJM, Fairweather T, Underhill LG, Wolfaardt AC** 2007. Implications for seabirds of an unfavourable, long-term change in the distribution of prey: a South African experience. In: **Kirkman SP** (ed.): 243–249.
- Crawford RJM, Underhill LG, Coetzee JC, Fairweather T, Shannon LJ, Wolfaardt AC** 2007. Influences of the abundance and distribution of prey on African Penguins *Spheniscus demersus* off western South Africa. In: **Kirkman SP** (ed.): 235–242.
- Crawford RJM, Underhill LG, Upfold L, Dyer BM** 2007. An altered carrying capacity of the Benguela upwelling system for African Penguins (*Spheniscus demersus*). In: **Kirkman SP** (ed.): 251–257.
- Kemper J** 2007. Estimating African Penguin population size: a comparison of census techniques. In **Kirkman SP** (ed.): 77–80.
- Kemper J, Crawford RJM** 2007. Report on the availability and quality of seabird information in Namibia and South Africa. In: **Kirkman SP** (ed.): 31–36..
- Kemper J, Roux J-P, Bartlett PA, Chesselet YJ, Delpont JA, James JAC, Jones R, Underhill LG, Uhongora N-N, Wepener S** 2007. The African Penguin *Spheniscus demersus*: population estimates, trends, adult survival and age structure from molt and nest counts. In: **Kirkman SP** (ed.): 69–76.
- Kemper J, Roux J-P, Underhill LG** 2007. Effect of age and breeding status on molt phenology of adult African Penguins *Spheniscus demersus* in Namibia. In: **Kirkman SP** (ed.): 115–123.
- Kemper J, Underhill LG, Crawford RJM, Roux J-P** 2007. Revision of the conservation status of seabirds and seals in the Benguela Ecosystem. In: **Kirkman SP** (ed.): 325–342.

- Kemper J, Underhill LG, Roux J-P** 2007. Artificial burrows for African Penguins on Halifax Island, Namibia: do they improve breeding success? In: **Kirkman SP** (ed.): 101–106.
- Kemper J, Underhill LG, Roux J-P, Bartlett PA, Chesselet YJ, James JAC, Jones R, Uhongora N-N, Wepener S** 2007. Breeding patterns and factors influencing breeding success of African Penguins *Spheniscus demersus* in Namibia. In: **Kirkman SP** (ed.): 89–99.
- Underhill LG, Crawford RJM** 2007. Indexing the availability of anchovy and sardine to seabird predators in the southern Benguela ecosystem. In: **Kirkman SP** (ed.): 297–300.
- Underhill LG, Crawford RJM, Wolfaardt AC, Whittington PA, Dyer BM, Leshoro TM, Ruthenburg M, Upfold L, Visagie J** 2007. Regionally coherent trends in colonies of African Penguins *Spheniscus demersus* in the Western Cape, South Africa, 1987-2005. In: **Kirkman SP** (ed.): 81–88.
- Kemper J, Braby J, Dyer BM, James J, Ludynia K, Mullers R, Roux J-P, Underhill LG, Wolfaardt AC** 2007. Monitoring seabirds in the BCLME: data collection manual. In: **Kirkman SP** (ed). Final Report of the BCLME (Benguela Current Large Marine Ecosystem) Project on Top Predators as Biological Indicators of Ecosystem Change in the BCLME. Annex 3. Cape Town: Avian Demography Unit, University of Cape Town: 1–26.
- Kemper J** 2009 in press. African Penguin. In **Simmons RE, Brown CJ** (eds) Birds to watch in Namibia: red, rare and peripheral species. Windhoek, Namibia: National Biodiversity Programme.

3. Papers at international and major national conferences

- Crawford RJM, Underhill LG, Raubenheimer CM, Dyer BM, Martin J** 1991. Top predators in the Benguela Ecosystem – their consumption, conservation and value as indicators. International Symposium on Benguela Trophic Functioning. Cape Town, South Africa. Presented by RJM Crawford.
- Underhill LG, Williams AJ, Crawford RJM, Whittington PA, Nel DC** 1996. The 1994 *Apollo* Sea oil spill – its impact on the African Penguin and rehabilitation success. Third International Penguin Conference. Cape Town, South Africa. Presented by LG Underhill.
- Whittington PA** 1996. Rehabilitation – its contribution to population dynamics and role in the conservation of the African Penguin *Spheniscus demersus*. Third International Penguin Conference, Cape Town, South Africa. Presented by PA Whittington
- Whittington PA** 1997. Is cleaning penguins worth the effort? Results from flipper banding. EURING 97: Large scale studies of marked birds. Norwich, UK. Poster.
- Crawford RJM, Augustyn CJ, Williams AJ, Underhill LG** 1997. Impact of the *Apollo* Sea oil spill on the colonies of African Penguins *Spheniscus demersus* at Dassen and Robben Islands. Fifth International Conference on the Effects of Oil on Wildlife. Monterey, California, USA. Presented by CJ Augustyn.
- Whittington PA, Crawford RJM, Dyer BM, Gildenhuis A, Nel DC, Oatley TB, Thornton M, Underhill LG, Upfold L, Williams AJ, Wolfaardt AC** 1998. The rehabilitation of oiled African Penguins: a success story. XXII International Ornithological Congress. Durban, South Africa. Abstract, Ostrich (1998) 69: 423. Poster.
- Underhill LG, Crawford RJM** 1999. An index of health of the southern Benguela system from monitoring seabirds. Tenth Southern African Marine Science Symposium: SAMSS 2000: Land, Sea and People in the New Millennium. The Wilderness, South Africa. Presented by LG Underhill.
- Underhill LG, Whittington PA, Crawford RJM** 1999. De-oiled African Penguins *Spheniscus demersus* and Cape Gannets *Morus capensis* survive for years: it's a fact, but we're not sure why. International Conference, Bird Ringing at 100 Years: Results and Perspectives of Bird Ringing. Helgoland, Germany. Presented by LG Underhill.
- Barham PJ, Whittington PA, Crawford RJM, Underhill LG, Davis S** 2000. South African penguins. 20th Annual Earthwatch Institute Conference, Boston, USA. Poster.
- Crawford RJM, David JHM, Shannon LJ, Kemper J, Klages NTW, Roux J-P, Underhill LG, Ward VL, Williams AJ, Wolfaardt AC** 2000. African Penguins as predators and prey – coping

- (or not) with change. Fourth International Penguin Conference. La Serena, Chile. Presented by RJM Crawford.
- Crawford RJM, Davis SA, Harding R, Jackson LF, Leshoro TM, Meyer MA, Randall RM, Navarro R, Underhill LG, Upfold L, van Dalsen AP, van der Merwe E, Whittington PA, Williams AJ, Wolfaardt AC** 2000. Initial impact of the *Treasure* oil spill on African Penguins. Fourth International Penguin Conference. La Serena, Chile. Presented by PA Whittington. Tenth Pan-African Ornithological Congress. Entebbe, Uganda. Presented by HD Oschadleus. 2000 International Wader Study Group Annual Conference. Norwich, U.K. Presented by LG Underhill.
- Ellis S, Lacy R, Araya Modinger B, Bernal M, Boersma PD, Crawford RJM, Luna-Jorquera G, Underhill LG, Whittington PA** 2000. To be or not to be: *Spheniscus* penguins in the new millennium. Fourth International Penguin Conference. La Serena, Chile. Presented by S Ellis.
- Leshoro TM, Crawford RJM, Shannon LJ, Whittington PA, van der Merwe E, Kroese M, Kieser J** 2000. Management of the African Penguin colony at Robben Island, 1997–1999. Fourth International Penguin Conference, La Serena, Chile. Presented by TM Leshoro.
- Williams AJ, Wolfaardt AC, Whittington PA** 2000. Wildly successful: what happened to penguins de-oiled after the 1994 *Apollo Sea* oil spill? Sixth International Conference on Effects of Oil on Wildlife. Myrtle Beach, South Carolina, USA. Presented by AJ Williams.
- Wolfaardt AC, Nel DC, Williams AJ, Underhill, LG** 2000. Breeding success and productivity of rehabilitated African Penguins following the *Apollo Sea* oil spill. Fourth International Penguin Conference. La Serena, Chile. Presented by AC Wolfaardt.
- Barham P, Underhill LG** 2001. South African Penguins. Earthwatch Institute Annual Conference: Celebrating the Role of Partnerships in Research, Conservation and Education. Boston, USA. Invited paper. Presented by LG Underhill.
- Underhill LG** 2001. Monitoring ornithological disasters: a case study based on the *Treasure* oil spill in South Africa in 2000. Monitoring for Nature Conservation: 15th International Conference of the European Bird Census Council. Nyiregyhaza, Hungary. Invited plenary, presented by LG Underhill.
- Crawford RJM, Wolfaardt AC, Kemper J, Hemming M, Whittington PA, Underhill LG, Ward VL** 2002. Variation in the timing of moult of African Penguins. XXIII International Ornithological Congress. Beijing, China. Presented by RJM Crawford.
- Kemper J, Roux J-P, Underhill LG** 2002. The phenology of the juvenile moult cycle of the African Penguin *Spheniscus demersus* in Namibia. Eleventh Southern African Marine Science Symposium. Swakopmund, Namibia. Presented by J Kemper.
- Underhill LG** 2002. Recommendations in relation to seabird monitoring after oil spills. Medmaravis Conference on Oil Pollution and Conservation of Biodiversity: the Role of NGOs and Local Authorities. Porto Torres, Sardinia, Italy. Invited paper, presented by LG Underhill.
- Griffin J, Underhill LG** 2003. Variability in nest temperature between different nest types and its implications for desertion for the African Penguin *Spheniscus demersus*. Biannual Conference of the Zoological Society of South Africa. Cape Town, South Africa. Poster.
- Ryan PG, Wolfaardt AC, Whittington PA, Crawford RJM, Underhill LG** 2003. Estimating the demographic benefits of rehabilitating oiled African Penguins. Seventh International Effects of Oil on Wildlife Conference. Hamburg, Germany, 14-16 October 2003. Presented by AC Wolfaardt.
- Underhill LG, Crawford RJM, Wolfaardt AC** 2003. Trends in African Penguin *Spheniscus demersus* populations in the Western Cape, South Africa, 1992–2002. Fourth European Ornithologists' Union Conference. Chemnitz, Germany. Poster. Abstract, Vogelwarte (2003) 42: 150.
- Whittington PA, Wolfaardt AC, Underhill LG** 2003. Post release survival and breeding of rehabilitated African Penguins. Seventh International Effects of Oil on Wildlife Conference. Hamburg, Germany Presented by AC Wolfaardt.
- Wolfaardt AC, Crawford, RJM, Underhill LG, Whittington PA, Williams AJ** 2003. Assessment of the impact of the *Treasure* oil spill on seabirds off western South Africa, with particular emphasis on the efficacy of translocating penguins during the spill. Seventh Effects of Oil on Wildlife Conference. Hamburg, Germany. Presented by AC Wolfaardt.

- Wolfaardt AC, Nel DC, Whittington PA, Crawford RJM, Underhill LG, Ryan PG, Parsons NJ, Williams AJ** 2003. Rehabilitation of oiled African Penguins: a conservation success story. South African Wildlife Management Association Conference, Ganzekraal, Western Cape. Presented by AC Wolfaardt.
- Barham PJ, Barham BJ, Underhill LG, Crawford RJM, Leshoro TM, Oschadleus HD, Wolfaardt AC, Williams AJ** 2004. Impact of the *Treasure* oil spill on survival and breeding of African Penguins on Robben Island. Fifth International Penguin Conference. Ushuaia, Argentina. Presented by PJ Barham.
- Barham PJ, Crawford RJM, Underhill LG, Wolfaardt AC, Barham BJ, Dyer BM, Leshoro TM, Meyer MA, Navarro RA, Oschadleus D, Upfold L, Whittington PA, Williams AJ** 2004. Return to Robben Island of African Penguins that were rehabilitated, relocated or reared in captivity following the *Treasure* oil spill of 2000. Fifth International Penguin Conference, Ushuaia, Argentina. Poster.
- Barham PJ, Crawford RJM, Underhill LG** 2004. Energy costs of steel flipper bands caused by feather wear. Fifth International Penguin Conference. Ushuaia, Argentina. Poster.
- Barham PJ, Crawford RJM, Underhill LG, Leshoro TM, Meyer MA, Wolfaardt AC, Oschadleus HD, Williams AJ** 2004. Resighting rates of African Penguins relocated or oiled following the *Treasure* oil spill in 2000. Fifth International Penguin Conference. Ushuaia, Argentina. Poster.
- Barham PJ, Underhill LG, Crawford RJM, Leshoro TM, Bolton D** 2004. Differences in breeding success of African Penguins depending on types of flipper bands used. Fifth International Penguin Conference. Ushuaia, Argentina. Presented by PJ Barham.
- Griffin J, Whittington PA, Bartlett PA, Crawford RJM, Klages NTW, Randall RM, Wolfaardt AC** 2004. Patterns of movement of African Penguins in South Africa and Namibia. Global Flyways Conference 2004 – Waterbirds Around the World. Edinburgh, UK. Poster.
- Griffin J, Underhill LG** 2004. Variability in nest temperature between different nest types and its implications for desertion for the African Penguin *Spheniscus demersus*. Fifth International Penguin Conference. Ushuaia, Argentina. Poster.
- Kemper J, Roux J-P, Bartlett PA, Chesselet YJ, Jones R** 2004. Population size, recent trends and conservation status of the African Penguin (*Spheniscus demersus*) in Namibia. Fifth International Penguin Conference. Ushuaia, Argentina. Poster.
- Kemper J, Roux J-P, Underhill LG** 2004. Breeding in bins: do artificial burrows improve breeding success of African Penguins *Spheniscus demersus* on Halifax Island, Namibia? Fifth International Penguin Conference. Ushuaia, Argentina. Presented by J Kemper.
- Newman S, Wolfaardt AC** 2004. How effective is the rehabilitation of oiled seabirds? Society for Conservation Biology seminar: Urbanizing Landscapes, Conservation and Ecology of Emerging Diseases. 18th Annual Meeting Society for Conservation Biology. New York, USA. Presented by S Newman.
- Underhill LG, Crawford RJM** 2004. Seabirds as indicators of the health of the Benguela ecosystem. Quantitative Ecosystem Indicators for Fisheries Management: International Symposium. Paris, France. Presented by LG Underhill.
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