

## Bibliography – African Otters

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Jan Reed-Smith

African Otter Network ([africanotternetwork.org](http://africanotternetwork.org))

Please notify [africanotternetwork@gmail.com](mailto:africanotternetwork@gmail.com) of omissions, new publications, or errors.

Some of these articles only mention the presence of otters in a specific region, market, etc.

**African Otter Network.** 2017. Information and ID sheets for African Otter. *Africanotternetwork.org*

**Akani GC et al.** 2015. Correlates of indigenous hunting techniques with the wildlife trade in bushmeat markets of the Niger Delta (Nigeria). *Vie et Milieu – Life and Environment* 65(3):169-174 November 2015.

**Akani GC et al.** 2015. Are mammal communities occurring at a regional scale reliably represented in “hub” bushmeat markets? A case study with Bayelsa State (Niger Delta, Nigeria). *Folia Zoologica* 64(1):70-86.

**Akpona HA et al.** 2015. Conflict between spotted-necked otters and fishermen in Hlan River, Benin. *Journal for Nature Conservation* 27:63-71.

**Akpona HA, Reed-Smith J, Yoxon G.** 2016, Capacity Building to Conserve African Otters. *Oryx* 50(1):13-17.

**Akpona HA, Sinsin B, Mensah GA.** 2011. Monitoring and Threat Assessment of the Spotted-necked Otter (*Lutra maculicollis*) in Southern Benin Wetlands. *IUCN Otter Specialist Group Bulletin* 28(A):45-59.

**Alary F et al.** 2002. Still on the tracks of the Congo clawless otter (*Aonyx congicus*): First mission in Cameroon. *IUCN Otter Specialist Group Bulletin* 19(1):51-55.

**Allen D.** 2010. Otter. *Reakton Books*. London, England. 183pp.

**Amori G, Decher J, Spartaco G, Luiselli L.** 2016. Non-marine mammals of Togo (West Africa): an annotated checklist. *Zoosystema*: 38(2):201-244.

**Amulke B.** 2011. Enhancing tourist opportunities to view spotted-necked otters (*Lutra maculicollis*) at Rubondo Island National Park: can the apriori location of latrines simplify identifying the best viewing areas? Master’s Thesis, Frostburg State University, Frostburg MA.

**Amulke B, Stevens SS, Serfass T.** 2013. Enhancing tourist opportunities to view spotted-necked otters (*Lutra maculicollis*) at Rubondo Island National Park: can the apriori location of latrines simplify identifying the best viewing areas? *African Journal of Ecology* 51:609-617.

**Andarge E, Wube T, Balakrishnan M.** 2017. Diet analysis of the African clawless otter (*Aonyx capensis*) in and around Lake Tana. *Journal of Ecology and Natural Environment* 9(4):53-61, July 2017.

**Angelici FM et al.** 1999. Distribution and habitat of selected carnivores (Herpestidae, Mustelidae, Viverridae) in the rainforests of southeastern Nigeria. *International Journal of Mammalian Biology* 64:116-120.

**Angelici FM et al.** 2005. Distribution and habitat of otters (*Aonyx capensis* & *Lutra maculicollis*) in southern Nigeria. *Italian Journal of Zoology* 72(3):225-227.

**Arden-Clarke CHG.** 1986. Population density, home range size, and spatial organization of the Cape clawless otter, *Aonyx capensis*, in a marine habitat. *Journal of the Zoological Society, London* 209:201-211.

**Avenant NL.** 1997. Mammals recorded in the QwaQwa National Park (1994-1995). *Koedoe* 40(1):31-40. Pretoria ISSN 0075-6458.

**Bahaa-E-Din L et al.** 2013. Notes on the distribution and status of small carnivores in Gabon. *Small Carnivore Conservation* July 2013 48:19-29.

**Bandini E, Bandini M, Tennie C.** 2021. A Short Report on the Extent of Stone Handling Behavior Across Otter Species. *Animal Behavior and Cognition*, 8(1), 15-22. <https://doi.org/10.26451/abc.08.01.02.2021>

**Baranga J.** 1995. The distribution and conservation status of otters in Uganda. Proceedings VII International Otter Colloquium. *Habitat* 11:29-32. Otter Zentrum, Hankensbuttel, Germany.

**Barnett AA et al.** 1996. A survey of the Mammals of the Kounounkan Massif, South-Western, West Africa. *Journal of African Zoology* 110(3):236-240.

**Bayo MJ and Rija AA.** 2021. Distribution and Human-Otter Interaction in a Man-Made Mtera Dam: How Fishers perceive their Neighbour. *IUCN Otter Spec. Group Bull.* 38 (2): 95 - 105

**Beuchat CA.** 1999. Kidney structure of a euryhaline mammal, the Cape clawless otter (*Aonyx capensis*). *South African Journal of Zoology* 34(4):163-165.

**Blench R, Dendo M.** 2007. Mammals of the Niger Delta, Nigeria. Privately printed document located at rogerblench.info.

**Bouragaoui Z et al.** 2020. New sighting of the Near Threatened Eurasian Otter (*Lutra lutra*) in Tunisia. *Otter Journal, International Otter Survival Fund* 2020:20-25.

**Brooks RP et al.** 2011. Ramsar protected wetlands of international importance as habitats for otters. *IUCN Otter Specialist Group Bulletin* 28(B):47-63.

**Broyer et al.** 1984. La loutra *Lutra lutra splendida* dans le sud du Maroc. *Bulletin Group Loutres* 18:12-20.

**Brzeski KE et al.** 2016. Camera sighting of a Congo clawless otter in the midst of a rapid development on mainland Equatorial Guinea. *IUCN Otter Specialist Group Bulletin* 33(2):96-101.

**Butler J.** 1994. Cape clawless otter conservation and a trout river in Zimbabwe: A case study. *Oryx* 28:276-282.

**Butler JRA, DuToit JT.** 1994. Diet and conservation status of Cape clawless otter in eastern Zimbabwe. *South African Journal of Wildlife Research* 24(3):41-47.

**Butler JRA, DuToit JT.** 1995. Diet and conservation status of Cape clawless otter in eastern Zimbabwe. *IUCN Otter Specialist Group Bulletin* 11:34-37.

**Butler JRA, Hillman C.** 1995. Cape clawless otters as indicators of water pollution by heavy metals and pesticides in Zimbabwe. Chapter 7 *RAP of Biological Assessment – A Rapid Biological Assessment of Two Classified Forests in South-Western Côte d'Ivoire*. Alonso LE, Lauginie F, Rondeau G (Eds.) Conservation International.

**Carugati, C, Rowe-Rowe DT, Perrin MR.** 1995. Habitat use by *Aonyx capensis* and *Lutra maculicollis* in the Natal Drakensberg, South Africa: Preliminary results. *Hystrix* 7: 239-242.

**Carugati, C, Rowe-Rowe DT, Perrin MR.** 1995. Habitat use by two species of otters in the Natal Drakensberg, South Africa. In: C. Reuther, and D. Rowe-Rowe., editors. *VI International Otter Colloquium Proceedings*. Pietermaritzburg, South Africa, 6-10 September 1993. Aktion Fischotterschutz, Hankensbüttel, Germany, Habitat 11:25-26.

**Carugati, C, and Perrin MR.** 2003. Habitat, prey and area requirements of otters (*Aonyx capensis*) and (*Lutra maculicollis*) in the Natal Drakensberg, South Africa. Pages 18-23 in: XIII International Otter Colloquium Proceedings (unpublished). Trebon, Czech Republic. 14 - 20 March, 1998. C. Reuther, editor. Aktion Fischotterschutz, Hankensbüttel, Germany.

**Chanin P.** 1985. The Natural History of Otters. Facts on File Publications. New York, New York; Oxford, England 179pp.

**Chira M.** 1993. Present Status of Otters and their Habitats in Kenya. *Habitat: Proceedings VI International Otter Coloquium*, Pietermaritzburg 1993:27-28.

**Cianfrani C, Broennimann O, Loy A, Guisan A.** 2018. More than range exposure: Global otter vulnerability to climate change. *Biological Conservation* 221:103-113.

**Davenport LC, Jacques H, Yedi ML.** Preliminary findings from a new study of the Congo clawless otter (*Aonyx congicus*) on the Djé Djé River, Ivindo National Park, Gabon (or "Where have all the otters gone?"). *IUCN Otter Specialist Group Bulletin* 28(B):69-84.

**De Ferran V et. al.** Philogenomics of the World's Otters. *Current Biology* [Volume 32, Issue 16](#), 22 August 2022, Pages 3650-3658.e4. CelPress.

**De Luca DW, Mpunga NE.** 2005. Carnivores of the Udzungwa Mountains: Presence, distributions and threats. Wildlife Conservation Society, Mbeya. pp 38.

**De Luca DW, Dewas M, Mpunga N, Machaga SJ, Phillipps GP.** 2018. The conservation status of otters in southwest Tanzania. *IUCN Otters Specialist Group Bulletin* 35(3):134-147.

**de Villiers D & White RM.** 1999. The distribution, status and conservation management of indigenous mammals in Transkei coastal forests. *Proceedings: Natural Forests and Woodlands Symposium II*, Knysna, South Africa. 1999.

**Decher J et al.** 2005. A rapid survey of small mammals I(shrews, rodents, and bats) from the Haute Dodo and Cavally Forests, Côte d'Ivoire. *Chapter 7 RAP Bulletin of Biological Assessment - A Rapid Biological Assessment of Two Classified Forests in South-Western Côte d'Ivoire*. Alonso, LE; Lauginie, F; Rondeau, G (Eds.) Conservation International.

**Delibes M.** 2012. The near threatened Eurasian otter *Lutra lutra* in Morocco: no sign of recovery. *Oryx* 46(2):249-252. Flora and Fauna International. <http://journals.cambridge.org>.

**d'Inzillo Carranza I, Rowe-Rowe D.** 2013. *Hydrictis maculicollis*: Spotted-necked otter. *Mammals of Africa* Vol. V:114-118; Kingdon, J & Hoffman, M (eds), Bloomsbury Publ., London.

**Djagoun CAMS et al.** 2017. Wild mammals trade for Zoothapeutic and mythic purposes in Benin (West Africa): Capitalizing species involved, provision sources, and implications for conservation. In: Alves R, Rosa I (eds) *Animals in Traditional Folk Medicine*. Springer, Berlin, Heidelberg, Germany. Chapter 17:367-380.

**Djagoun CAMS, Sin B.** 2008. Diversity and Ethnozoological study of small mammals in villages surrounding the Pendjari Biosphere Reserve in northern Benin. Sustainable Forest management and poverty alleviation: roles of traditional forest-related knowledge. Kunming, China conference - 17-20 Dec 2007 IUFRO, Vienna.

**Djagoun CAMS, Gaubert P.** 2009. Small carnivorans from southern Benin: a preliminary assessment of diversity and hunting pressure. *Small Carnivore Conservation* 2009 Vol 40:1-10.

**Dognimon S, Djagoun CAMS, Djego S, Akpona HA, Djego J, Sinsin B.** 2019. Spotted-necked otter's distribution and determining factors of habitat occurrence in the lower *Ouémé* valley, Southern Benin. *IUCN Otter Specialist Group Bulletin* Vol 36(1):48-60.

**Do Linh San E et al.** 2013. Conservation status, distribution and species richness of small carnivores in Africa. *Small Carnivore Conservation* Vol 48:4-18 July 2013.

**Donnelly BG, Grobler JH.** 1976. Notes on food and anvil using behaviour by the Cape clawless otter, *Aonyx capensis*, in the Rhodes Matopos National Park, Rhodesia. *Arnoldia Rhodesia* 7:1-8.

**Dumalisie, L et al.** 2005. Tourist's willingness to pay to view otters along the wild coast, South Africa: a potential for increased ecotourism. *The Journal for Transdisciplinary Research S.A.* 1(1):97-106.

**Duff HL.** 1903. Nyasaland under the Foreign Office. British Central Africa Administration.

**Emmerson W, Philip S.** 2004. Diets of Cape clawless otters at two South African coastal localities. *African Zoology* 39(2):201-219.

**Ergete EA, Hailemariam TW, Balakrishnan M, Serfass TL.** 2018. Fishermen knowledge and conflict with African clawless otters in and around Lake Tana, Ethiopia. *African Journal of Ecology* 2018:1-5. [wileyonlinelibrary.com/journal/aje](http://wileyonlinelibrary.com/journal/aje)

**Fa JE et al.** 2002. Bushmeat consumption and preferences of two ethnic groups in Bioko Island, West Africa. *Human Ecology* 30(3):397-416.

**Fa JE et al.** 2014. Integrating Sustainable Hunting in Biodiversity Protection in Central Africa: Hot Spots, Weak Spots, and Strong Spots. *PLoS ONE* 9(11): e112367. doi:10.1371/journal.pone.0112367.

**Fischer F.** 2004. Status of the Camoé National Park, Côte d'Ivoire, and the effects of war. *Parks* 14(1) War and Protected Areas:16-25.

**Flesher KM.** 2013. Mammals in a Farm/Forest Mosaic in South-eastern Liberia. *West African Journal of Ecology* 21(2):79-93.

**Foster-Turley P, Macdonald S, Mason C.** 1990. Otters An Action Plan for Their Conservation. International Union for Conservation of Nature and Natural Resources.

**Haring C, Weier S, Linden B.** 2021. Distribution and Habitat Preference of Cape clawless Otters (*Aonyx capensis*) Mongooses (*Atilax paludinosus*) in the Soutpansberg, South Africa. *IUCN Otter Spec. Group Bull.* 40(1) 2023:26-38.

**Harrington R, Berghaier RW, Hearn GW.** 2002. The status of carnivores on Bioko Island, Equatorial Guinea. *Small Carnivore Conservation* 27:19-22 October 2002.

**Harris CJ.** 1968. Otters: A Study of the Recent Lutrinae. Weidenfeld and Nicolson, London, England.

**Jacoby MC, Williams JLR.** 1995. Recent otter records from central Morocco. *IUCN Otter Specialist Group Bulletin* 12(1995):11-12.

**Jacques H, Reed-Smith J, Somers MJ.** 2015. *Aonyx capensis*. IUCN Red List of Threatened Species 2015.

**Jacques H, Reed-Smith J, Davenport C, Somers MJ.** 2015. *Aonyx congicus*. The IUCN Red List of Threatened Species 2015.

**Jacques H, Moutou H, Alary F.** 2002. On the tracks of the Congo clawless otter (*Aonyx congicus*) in Gabon. *IUCN Otter Specialist Group Bulletin* 19(1):40-50.

**Jacques H, Parnell R, Alary F.** 2013. *Aonyx congicus*: Congo clawless otter. *Mammals of Africa*, Vol. 5: 108-110. Eds Kingdon, J. & Hoffmann, M.

**Jacques H, Duplaix N, Chapron G.** 2004. The Congo clawless otter: state of knowledge and needs for further research. *IUCN Otter Specialist Group Bulletin* 21(A):8pp.

**Jacques H, Veron G, Alary F, Aulagnier S.** 2009. The Congo clawless otters (*A. congicus*) (Mustelidae:Lutrinae): a review of its systematics, distribution and conservation status. *African Zoology* 44(2):159-170.

**Jacques H, Reed-Smith J.** 2018. Congo clawless otter. In: *The Global Otter Conservation Strategy*, Duplaix N & Savage M Editors, Publishers: IUCN/SSC Oter Specialist Group & Four Corners Institute, Salem, Oregon U.S.A.

**Jordaan RK, McIntyre T, Somers MJ, Bester MN.** 2015. An assessment of spatial and temporal variation in diet of Cape clawless otters (*A. capensis*) in marine environments. *African Journal of Wildlife Research* 45(3):342-353.

**Jordaan RK, Somers, MJ, McIntyre, T.** 2017. Dancing to the message: African clawless otter scent marking behaviour. *Italian Journal of Mammalogy Hystrrix* 28(2): DOI: <http://dx.doi.org/10.4404/hystrix-28.2-12264>

**Jordaan RK, Somers MJ, Hall G, McIntyre T.** 2020. The diet of spotted-necked otters foraging in trout-stocked waters in Mpumalanga, South Africa. *African Zoology* 55(2):141-148, DOI: 10.1080/15627020.2020.1741447.

**Jordaan RK, Somers MJ, McIntyre T.** 2021. The diving behavior of African clawless and spotted-necked otters in freshwater environments. *Journal of Mammalogy* XX(X):1-10 (2021).

**Kadongola WK.** 1994. Otter Signs on the islands of the Lake Malawi National Park. Food and Agriculture Org of UN 9/3/2016 <http://agris.fao.org/agris-search/search.do?recordID=AV20120123497>; *IUCN Otter Specialist Group Bulletin* 9:5-6.

**Koepfli KP & Wayne RK.** 1998. Phylogenetic relationships of otters (Carnivora: Mustelidae) based on mitochondrial cytochrome *b* sequences. *Journal of Zoology* 246(4): 401-416.

**Koepfli KP, & Wayne RK.** 2003. Type I STS Markers are more Informative than Cytochrome *b* in Phylogenetic Reconstruction of the Mustelidae (Mammalia: Carnivora). *Systematic Biology* 52(5): 571 - 593

**Koepfli KP, Deere KA, Slater GJ, et al.** 2008. Multigene phylogeny of the Mustelidae: Resolving relationships, tempo and biogeographic history of a mammalian adaptive radiation. *BMC (Bio Med Central) Biology* 2008, 6:10 <https://doi:10.1186/1741-7007-6-10>.

**Koepfli KP, Dragoo JW, Wang X.** 2017. The evolutionary history and molecular systematics of the Musteloidea. In: *Biology and Conservation of Musteloids*. Edited by David W. Macdonald, Chris Newman, and Lauren A. Harrington: Oxford University Press (2017). c Oxford University Press. DOI 10.1093/oso/9780198759805.003.0002.

**Kruuk, H.** 1995. Wild otters: Predation and populations. *Oxford University Press*. New York, New York and Oxford, England.

**Kruuk, H.** 2006. Otters: ecology, behaviours and conservation. *Oxford University Press*. New York, New York and Oxford, England.

**Kruuk, H.** 2013. *Lutra lutra*: Common (Eurasian) otter. *Mammals of Africa* Vol V: 111-113; Kindgon, J & Hoffman, M (eds), Bloombury Publ., London.

**Kruuk, H, Goudswaard PC.** 1990. "Effects of changes in fish populations in Lake Victoria on the food of otters (*Lutra maculicollis* Schinz and *Aonyx capensis* Lichtenstein)." *African Journal of Ecology* 28: 322-329.

**Kubheka SP, Rowe-Rowe DT, Alletson JD, Perrin MR.** 2013. Possible influence of increased riparian activity (stream modification and agricultural intensification) on abundance of South African otters. *African Journal of Ecology* 51:288-294.

**Kuhn RA & Meyer W.** 2010. A Note on the Specific Cuticle Structure of Wool Hairs in Otters (Lutrinae). *Zoological Science* 27:826-829 (2010).

**Kuhn RA & Meyer W.** 2010. Comparative hair structure in the Lutrinae (Carnivora: Mustelidae). *Mammalia* 74(2010):291-303.

**Larivière S.** 2002. *Lutra maculicollis*. *American Society of Mammologists Species Sheets* 712: 1-6. Mammalian Species Sheet # 712.

**Lariviere S. 2001.** *Aonyx capensis*. *American Society of Mammologists*. Mammalian Species #671.

**Lariviere S. 2001.** *Aonyx congicus*. *American Society of Mammologists*. Mammalian Species # 650.

**Lélias M, Lemasson A, Lodé T.** 2021. Social Organization of Otters in Relation to Their Ecology. *Biological Journal of the Linnean Society*, 2021, XX, 1–27.

**Lighthart, MF, Nel, JAJ.** 1994. Diet of Cape clawless otters in part of the Breede River System. *South African Journal of Wildlife Research* 24:38-39.

**Luiselli L et al.** 2015. Ecological diversity, community structure and conservation of Niger Delta mammals. *Biodiversity and Conservation* 24(11):2809-2830

**Lejeune A.** 1989. Ethologie des loutres (*Hydriictis maculicollis*) au lac Muhazi, Rwanda. *Mammalia: journal de morphologie, biologie, systematique des mammifères* 53: 191-202. [In French].

**Lejeune A.** 1989. Les loutres, *Lutra (Hydriictis) maculicollis* Lichtenstein, et la peche artisanale. *Journal of African Zoology*. 103: 215-223. [In French].

**Lejeune A.** 1990. Ecologie alimentaire de la loutre (*Hydriictis maculicollis*) au lac Muhazi, Rwanda. *Mammalia:journal de morphologie, biologie, systematique des mammifères* 54: 33-45. [In French].

**Lejeune A, Frank V.** 1990. Distribution of *Lutra maculicollis* in Rwanda: Ecological Constraints. *IUCN Otter Specialist Group Bulletin* 5:8-16.

**Lobora A, Serfass T, Reed-Smith J, Mbwambo Z.** 2005. Preliminary otter survey report in Lake Manyara, Serengeti and Rubondo Island National Parks, Tanzania. Tanzania Wildlife Research Institute (TAWIRI). Arusha, Tanzania.

**Macdonald SM & Mason CF.** 1983. The otter (*Lutra lutra*) in Tunisia. *Mammal Review* 13: 35 – 37.

**Macdonald SM & Mason CF.** 1984. Otters in Morocco. *Oryx* 18: 157 – 159.

**Macdonald SM, Mason CF, De Smet K.** 1985. The otter (*Lutra lutra*) in north-central Algeria. *Mammalia* 49: 215 – 219.

**Madisha MT, Ponsonby D, Schwaibold U, Kotzé A, Jansen R, Brettschneider H, Dalton D L.** 2015. Differentiation of two South African otter species (*A. capensis*, *L. maculicollis*) from spraint based on partial CytB primer sets. *Global Ecology and Conservation* 4:8-13 July 2015.

**Madisha MT, du Plessis M, Kotze A, Dalton DL.** 2019. Complete mitochondrial genomes of the African clawless (*Aonyx capensis*) and spotted necked otter (*Hydrictis maculicollis*) otter: structure, annotation, and interspecies variation. MITOCHONDRIAL DNA PART B2019, VOL. 4, NO. 1, 1556–1557 <https://doi.org/10.1080/23802359.2019.1602003> Taylor & Francis Group.

**Majelantle TL, McIntyre T, Ganswindt T.** 2020. *Monitoring the effects of land transformation on African clawless otters (Aonyx capensis)* using fecal glucocorticoid metabolite concentrations as a measure of stress. *Integrative Zoology* 15:293-306.

**Majelantle TL, Ganswindt T, Jordaan RK, Slip DJ.** 2020. Increased population density and behavioural flexibility of African clawless otters (*Aonyx capensis*) in specific anthropogenic environments. *Urban Ecosystems*, Springer 2020 (<https://doi.org/10.1007/s11252-020-01068-1>).

**Mason CF, Macdonald SM.** 1986. Otters: Ecology and Conservation. *Cambridge University Press*, Cambridge, England.

**Mason CF & Rowe-Rowe DT.** 1992. Organochlorine pesticide residues and PCBs in otter scats from Natal. *South African Journal of Wildlife Research*. 22(1):29 – 31

**Mgoola WO, Msiska HG.** 2017. The status and distribution of the Clawless otter (*Aonyx capensis*) in Vwaza Marsh Wildlife Reserve and Nyika National Park, Northern Malawi. *IUCN Otter Specialist Group Bulletin* 34(1):3-17.

**Mgombo W & Reed-Smith J.** 2020. An Assessment of Human Attitudes Towards Otters in Mbinga District, Tanzania. *IUCN Otter Specialist Group Bulletin* 37(2):81-97.

**Nakamura K, Tanimura H, Katsuragi K, Shibahara T, Kadota K.** 2002. Differentiated Basal Cell Carcinoma in a Cape Clawless Otter (*Aonyx capensis*). *Journal of Comparative Pathology* 127(2-3):223-227.

**Nakashima Y.** 2015. Inventorying medium-and large-sized mammals in African lowland rain forest using camera trapping. *Tropics* 23(4):151-164.

**Nel JAJ & Somers MJ.** 2002. The status of otters in Africa: an assessment. Otter Conservation – An example for a sustainable use of wetlands. Proceedings of the VIIth International Otter Symposium. *IUCN Otter Specialist Group Bulletin*, 19A (Special Issue):258–266.

**Nel JAJ & Somers MJ.** 2007. Distribution and habitat choice of Cape clawless otters, in South Africa. *South African Journal of Wildlife Research* 37(1): 61–70 (April 2007).

**Nel JAJ & Somers MJ.** 2013. Genus *Aonyx* Clawless Otters. In: Mammals of Africa Vol V. Eds: J. Kingdon & M Hoffmann. Bloomsbury.

**Njoroge CH, Ogada MO, Gichuki NN.** 2014. Temporal detection patterns of the African clawless otter *A. capensis* (Schinz, 1821) in the Laikipia plateau of central Kenya. *IUCN Otter Specialist Group Bulletin* 31(1):44-48.

**Noonan P.** 2012. The Function of the Tail in Aquatic and Semiaquatic Mustelids. Clark Science Center's Summer Research Fellows Program, "Women in Science 2012" (2012). SURF Abstracts (Women in Science), Smith College, Northampton, MA. [https://scholarworks.smith.edu/clark\\_womeninscience/12](https://scholarworks.smith.edu/clark_womeninscience/12).

**Obwanga BO, Outa JO, Ngure V.** 2022. Identification of Plant Species Along the Riparian Corridor of Iguameti Stream in Laikipia County Kenya. Laikipia U Journal of Sci & Applied Technology Vol 1. ISSN N0 2791-1926:1-16.

**Ogada M.** 2004. Scats and glue- a cheap and accurate method for mapping African clawless otter *A. capensis* (Schinz, 1821) territories in riverine habitats. *IUCN Otter Specialist Group Bulletin* 21(1):36-39.

**Ogada M.** 2006. Effects of the Louisiana crayfish (*Procambarus clarkii*) invasion on the food and territorial ecology of the African clawless otter (*A. capensis*) in the Weaso Ng/iro ecosystem. Kenyatta Univ., Nairobi, Kenya Doctorate dissertation.

**Ogada MO, Aloo PA, Muruthi PM.** 2009. The African clawless otter *Aonyx capensis* (Schinz, 1821) and its diet as an indicator of crayfish invasion dynamics in aquatic systems. *African Journal of Ecology* 47:119-12.

**Okes N, Ponsonby DW, Rowe-Rowe D, Avenant NL, Somers MJ.** 2016. A conservation assessment of *Aonyx capensis*. In Child MF, Roxburgh L, Do Linh San E, Raimondo D, Davies-Mostert HT, (eds). *The Red List of Mammals of South Africa, Swaziland and Lesotho*. South African National Biodiversity Institute and Endangered Wildlife Trust, South Africa.

**Okes N.** 2017. Conservation ecology of the Cape Clawless Otter, *Aonyx capensis*, in an Urban Environment. PhD Thesis, University of Cape Town, South Africa.

**Okes, NC, O'Rian, MJ.** 2017. Otter occupancy in the Cape Peninsula: Estimating the probability of river habitat use by Cape clawless otters, *Aonyx capensis*, across a gradient of human influence. *Aquatic Conservation.: Marine Freshwater Ecosystems* 27:706–716.

**Parker DM, Burchell RK, Bernard RTF.** 2005. The diet of Cape clawless otters at two sites along the Bloukrans River, Eastern Cape Province, South Africa. *African Zoology* 40(2): 330–334 (October 2005).

**Perrin MR, and Carugati C.** 2000. Food habits of coexisting Cape clawless otter and spotted-necked otter in the KwaZulu-Natal Drakensberg, South Africa. *South African Journal of Wildlife Research* 30:85-92.

**Perrin MR, and Carugati C.** 2000. Habitat use by the Cape clawless otter and the spotted-necked otter in the KwaZulu-Natal Drakensberg, South Africa. *South African Journal of Wildlife Research* 30:103-113.

**Perrin MR & Carugati C.** 2006. Abundance estimates of the Cape clawless otter *Aonyx capensis* (Schinz 1821) and the spotted-necked otter *Lutra maculicollis* (Lichtenstein 1835) in the KwaZulu-Natal Drakensberg, South Africa. *Tropical Zoology* 19:9-19.

**Perrin MR, D'Inzilla-Caranza I.** 1999. Capture, immobilization and measurements of the spotted-necked otter in the Natal-Drakensberg, South Africa. *South African Journal of Wildlife Research* 29(2):52-53.

**Perrin MR, D'Inzilla-Caranza I.** 2000. Activity patterns of the spotted-necked otter in the Natal Drakensberg, South Africa. *South African Journal of Wildlife Research* 30:1-7.

**Perrin MR, D'Inzilla-Caranza I.** 2000. Habitat use by spotted-necked otters in the KwaZulu-Natal Drakensberg, South Africa. *South African Journal of Wildlife Research* 30:8-14.

**Perrin MR, D'Inzilla-Caranza I, Linn IJ.** 2000. Use of space by the spotted-necked otter in KwaZulu-Natal Drakensberg, South Africa. *South African Journal of Wildlife Research* 30:15-21.

**Ponsonby DW, Rowe-Rowe D, Power RJ, Somers RJ.** 2016. A conservation assessment of *Hydrictis maculicollis*. In: *The Red List of Mammals of South Africa, Swaziland and Lesotho*, S.A. National Biodiversity Institute and Endangered Wildlife Trust, S.A., Child, MF et al. (Eds).

**Ponsonby DW.** 2018. The ecology of otters in an urban environment. Doctoral Thesis, University of the Witwatersrand, Johannesburg, South Africa.

**Ponsonby DW, Madisha MT, Schwaibold U, Dalton DL.** 2019. Genetic diversity of African clawless otters (*Aonyx capensis*) occurring in urbanized areas of Gauteng, South Africa. *South African Journal of Science* vol.115 n.7-8 Pretoria Jul./Aug. 2019 <http://dx.doi.org/10.17159/sajs.2019/4889>.

**Ponsonby DW, Schwaibold U.** 2018. Country otter, city otter: The distribution patterns of two otter species in an urbanized area of Gauteng, South Africa. *African Journal of Ecology* 2018:1-7; wileyonline.com/journal/aje DOI: 10.1111/aje.12562.

**Power, RJ, Slater-Jones, S.** 2010. Spotted-necked otter in the lower Orange River, Northern Cape, South Africa. *South African Journal of Wildlife Research* 40:181-183.

**Proctor, J.** 1963. A contribution to the natural history of the spotted-necked otter (*Lutra maculicollis* Lichtenstein) in Tanganyika. *East African Wildlife Journal*. 1:93-102.

**Quiñónez ALC, Fuller TK, Tandhir TO.** 2018. A review of otter distribution modeling: Approach, scale, and metrics. *IUCN Otter Specialist Group Bulletin* Vol 35(2)97-127

**Reed-Smith J, Lombardi D, Henry B, Myers G, Foti J, Sabalones J.** 2009 Caring for Asian small-clawed, Cape Clawless, Nearctic, and Spotted-necked Otters. IUCN/SSC Otter Specialist Group web site. <http://www.otterspecialistgroup.org/>.

**Ray JC, Hunter L, Zigouris J.** 2005. Setting conservation and research priorities for larger African carnivores. *Wildlife Conservation Society Paper* #24 December 2005. Bronx, New York.

**Reed-Smith J.** 2010. An Assessment of Seasonality and Shoreline Characteristics Associated with Latrine Site Use by Spotted-necked Otters (*Lutra maculicollis*, Lichtenstein 1835) with a Preliminary Report on Spotted-necked Otter Behavior on Rubondo Island National Park, Tanzania. Master's Thesis, George Mason University, Fairfax, Virginia.

**Reed-Smith J, Oluoch I, Origa M, Kihedu TS, Muhabibi MM, Ogada M, Lobora A, Serfass T.** 2010. Consumptive Uses Of And Lore Pertaining To Spotted-necked Otters In East Africa: A Preliminary Report From the Lake Victoria Area of Kenya, Tanzania, And Uganda. *IUCN Otter Specialist Group Bulletin* 27(2):85-88.

**Reed-Smith J, Kihedu TS, Mwamjengwa H, Muhabibi MM.** 2010. Africa's Otter Surprise: Flagship For Clean Water. *SWARA magazine* 2010(1):58-60.

**Reed-Smith J, Serfass T, Kihedu TS, Muhabibi MM.** 2014. Preliminary Report on the Behavior of Spotted-necked Otter (*Lutra maculicollis*, Lichtenstein, 1835) Living in a Lentic Ecosystem. *Zoo Biology* 33(2):121-130 (Mar/Apr 2014).

**Reed-Smith J, Jacques J, Somers MJ.** 2015. *Hydrictis maculicollis*. The IUCN Red List of Threatened Species 2015 e.T12420A21936042 <http://dx.doi.org/10.2305/IUCN.UK.2015-2.RLTS.T12420A21936042.en>.

**Reed-Smith J, Akpona HA, Yoxon G.** 2015. African Otter Workshop. *IUCN Otter Specialist Group Bulletin* 32(1):40-47.

**Reed-Smith J, Rowe-Rowe D, Jacques J, Somers M.** 2018. Spotted-necked otters. In: *The Global Otter Conservation Strategy*, Duplaix N & Savage M Editors, Publishers: IUCN/SSC Otter Specialist Group & Four Corners Institute, Salem, Oregon U.S.A.

**Reed-Smith J, Serfass TL, Akpona H.** 2017. Spotted-necked otters: the good, the bad, the lore, and the future for this little-known species. TAWIRI (Tanzania Wildlife Research Institute) 2017 Conference.

**Reuther C, Ehlers M, Schuhmann M, Kalz B, Fickel J.** 2003. New findings on otters in Guinea-Bissau. *IUCN Otter Specialist Group Bulletin* 20(1):19-27.

**Riesco M, Delibes M, Calzada J, Equivias J, Qninba A, Clavero M.** 2020. Desert Otters: Distribution, habitat use, and feeding ecology in arid rivers of Morocco. *Journal of Arid Environments* 178:104165 DOI: 10.1016/j.jaridenv.2020.104165. Elsevier Ltd.

**Rovero F & De Luca DW.** 2007. Checklist of mammals of the Udzungwa Mountains of Tanzania. *Mammalia* 2007:47-55.

**Rowe-Rowe DT.** 1975. Biology of Natal Mustelids. MSc Thesis, University of Natal, Durban, South Africa

**Rowe-Rowe DT.** 1977. Variations in the predatory behaviour of the clawless otter. *Lammergeyer* 23:22-27.

**Rowe-Rowe DT.** 1977, Food ecology of otters in Natal, South Africa. *Oikos* 28:210-219.

**Rowe-Rowe DT.** 1977. Prey capture and feeding behaviour of South African otters. *Lammergeyer* 23:13-21

**Rowe-Rowe DT.** 1978. The small carnivores of Natal. *Lammergeyer* 25:1-48.

**Rowe-Rowe DT.** 1978. Biology of the two otter species in South Africa. Otters - Proc. 1st Working Meeting, Otter Specialist Group. IUCN Publication New Series: 130-139.

**Rowe-Rowe DT.** 1985. Facts about otters. *Wildlife Management Technical Guides For Farmers* 10: 2pp. (avail. From [data@kznwildlife.com](mailto:data@kznwildlife.com))

**Rowe-Rowe DT.** 1986. African otters - Is their existence threatened? *IUCN Otter Specialist Group Bulletin* 1:9-11.

**Rowe-Rowe DT.** 1990. 10. Action Plan for African Otters. Pages 41-51 in Foster-Turley, P., S. Macdonald, and C. Mason., editors, *Otters An Action Plan for their Conservation*. IUCN/SSC Otter Specialist Group, Gland, Switzerland.

**Rowe-Rowe DT.** 1990. Otter Distribution and Protection in South Africa. *IUCN Otter Specialist Group Bulletin* 5:17-23

**Rowe-Rowe DT.** 1990. Recent information on the Congo clawless otter. *IUCN Otter Specialist Group Bulletin* 5:24-27.

**Rowe-Rowe DT.** 1990. Otter distribution and protection in South Africa. *Otter Specialist Group Bulletin* 5:17-23.

**Rowe-Rowe DT.** 1991. Status of otters in Africa. in C. Reuter, and R. Rochert (editors) *V International Otter Colloquium Proceedings*, 4-8 September, 1989, Hankensbüttel, Germany. Aktion Fischotterschutz, Hankensbüttel, Germany, Habitat 6:15-20.

**Rowe-Rowe DT.** 1992. Survey of South African otters in freshwater habitat, using sign. *South African Journal Wildlife Research* 22:49-55.

**Rowe-Rowe DT.** 1992. The carnivores of Natal. Natal Parks Board, Pietermaritzburg. 32 pp. Available from: [data@kznwildlife.com](mailto:data@kznwildlife.com).

**Rowe-Rowe DT.** 1995. Distribution and status of African otters. *Proceedings VI International Otter Colloquium*, Pietermaritzburg 1993. In: Habitat 11:8 - 10, Reuther, C. & Rowe-Rowe, D. (Eds.).

**Rowe-Rowe DT.** 1997. Spotted-necked otter *Lutra maculicollis*. The Complete Book of Southern African Mammals. Pg 201. Eds. G. Mills & L. Hes. Struik Winchester.

**Rowe-Rowe DT.** 2011. Otter surveys: a simple and quick method. [africanotternetwork.org](http://africanotternetwork.org).

**Rowe-Rowe DT.** 2016. Densities of otters in the Drakensberg of Kwazulu-Natal, South Africa. *IUCN Otter Specialist Group Bulletin* 33(2):64-67.

**Rowe-Rowe DT.** 2017. Field signs of otters and the water mongoose. 5 pp. Unpublished. Available from: [africanotternetwork.org](http://africanotternetwork.org).

**Rowe-Rowe DT.** 2018. Anvil-use by *Aonyx capensis* :A Rebuttal. *IUCN Otter Specialist Group Bulletin* 35(1)

**Rowe-Rowe DT.** 2019. Does the African (Cape) Clawless Otter Eat Mammals? *IUCN Otter Specialist Group Bulletin* 36(2):3-6.

**Rowe-Rowe DT, Carugati C, Perrin MR.** 1995. The Natal Drakensberg as an otter sanctuary. *Proceedings VI International Otter Colloquium*, Pietermaritzburg 1993. In: Habitat 11:22 - 24. Reuther, C. & Rowe-Rowe, D. (Eds.).

**Rowe-Rowe DT, Jacques H, McIntyre T, Somers M, Reed-Smith J.** 2018. African clawless otter. In: The Global Otter Conservation Strategy, Duplaix N & Savage M Editors, Publishers: IUCN/SSC Oter Specialist Group & Four Corners Institute, Salem, Oregon U.S.A.

**Rowe-Rowe DT, Somers MJ.** 1998. Diet, foraging behaviours and coexistence of African otters and the water mongoose. *Symposia Zoological Society of London* 71:216-227.

**Smith L.** 1993. Otters and Gillnet Fishing in Lake Malawi National Park. *IUCN Otter Specialist Group Bulletin*. 8:4-6.

**Somers MJ, Purves MG.** 1996. Trophic overlap between three syntopic semi-aquatic carnivores: Cape clawless otter, spotted-necked otter and water mongoose. *African Journal of Ecology* 34:158-166.

**Somers MJ.** 1997. Cape clawless otter *Aonyx capensis*. In: The complete book of Sourthern African mammals, Pg 201. Eds. G. Mills & L Hes. Struik Winchester.

**Somers MJ.** 2000. Foraging Behavior of Cape Clawless Otters (*Aonyx capensis*) in a Marine Habitat. *Journal of Zoology*. London, England. (2000) 252: 473-480.

**Somers MJ.** 2000. Seasonal variation in the diet of Cape clawless otters (*A. capensis*) in a marine environment. *African Zoology* 35(2):261-269.

**Somers MJ.** 2003. Diet in relation to prey of Cape Clawless otters in two rivers in the Western Cape Provence, South Africa. *African Zoology* 38(2):317-326.

**Somers MJ & Nel JAJ.** 2004, Habitat selection by the Cape clawless otter (*A. capensis*) in rivers in the Western Cape Province, South Africa. *African Journal of Ecology* 42:298-305.

**Somers MJ & Nel JAJ.** 2004. Movement patterns and home range of Cape clawless otter (*A. capensis*), affected by high food density patches. *Journal of Zoology* 262(1):9198.

**Somers MJ & Nel JAJ.** 2013. *Aonyx capensis*: Cape clawless otter. Mammals of Africa Vol. V:104-108; Kingdon, J & Hoffman, M (eds), Bloomsbury Publ., London.

**Somers MJ & Purves MG.** 1996. Trophic overlap between three syntopic semi-aquatic carnivores: Cape clawless otter, spotted-necked otter, and water mongoose. *African Journal of Ecology* 34:158-166.

**Stevens S.** 2011. Flagship species, tourism, and support for Rubondo Island National Park. PhD Dissertation, University of Massachusetts, PA.

**Stevens S, Serfass TL, Organ JF.** 2007. Otters and wildlife Tourism: a recipe for conservation success? *Proceedings of the Vth TAWIRI Conference*, 3-6 December 2007, Arusha, Tanzania.

**Stevens S, Amulike B, Ndaga S, Organ JF, Serfass TL.** 2014. The Confusion of Common Names: A Methodological Challenge. *Human Dimensions of Wildlife: An International Journal*, 19:2, 191-199, DOI: 10.1080/10871209.2014.853220 <http://dx.doi.org/10.1080/10871209.2014.853220>.

**Thompson J.** 2000. Africa's Most Elusive Otter. *River Otter Journal*. Spring 2000. The River Otter Alliance, Denver, Colorado.

**Thompson J.** 2005. Otters in the Democratic Republic of Congo - Year 2005 Report. Unpublished.

**van der Hoeven CA, de Boer WF, Prins HHT.** 2004. Pooling local expert opinions for estimating mammal densities in tropical rainforests. *Journal for Nature Conservation* 12(2004):193-204.

**van der Zee D.** 1981. Prey of the Cape clawless otter (*Aonyx capensis*) in the Tsitsikama Coastal National Park, South Africa. *Journal Zoology of London* 194: 467 – 483.

**van der Zee D.** 1982. Density of Cape clawless otters *Aonyx capensis* (Schinz, 1821) in the Tsitsikama Coastal National park. *South African Journal of Wildlife Research* 12:8-13.

**van Neer W.** 2002. Archeozoological evidence for the former presence of spotted-necked otter (*Lutra maculicollis*) in Egypt. *Bonner Zoologische Beiträge* 50(3)199-209 Dec. 2002. academia.edu.

**van Niekerk CH, Somers MJ, Nel JAJ.** 1998. Freshwater availability and distribution of Cape clawless otter spraints and resting places along the south-west coast of South Africa. *South African Journal of Wildlife Research*. 28(3):68-72.

**van Zyll de Jong CG.** 1987. A phylogenetic study of the Lutrinae (Carnivora; Mustelidae) using morphological data. *Canadian Journal of Zoology* 65(10):2536-2544.

**Veron G, Patterson BD, Reeves R.** 2008. Global diversity of mammals (Mammalia) in freshwater. *Hydrobiologia* (2008) 595:607-617.

**Verwoerd DJ.** 1987. Observations on the food and status of the Cape clawless otter *Aonyx capensis* at Betty's Bay, South Africa. *South African Journal of Zoology*. 22:133-139.

**Watson LH & Lang AJ.**2003. Diet of Cape clawless otters in Groenvlei Lake, South Africa. *South African Journal of Wildlife Research.* 33(2):135-137.

**Webster AB, Pretorius ME, Somers M.** 2021. The determinants of mesocarnivore activity patterns in highveld grassland and riparian habitats. *African Journal of Wildlife Research.* Jan 2021:178-193.

**Yoxon P, Yoxon G.** 2014. Otters of the World. Whittles Publ. Ltd. Dunbeath, Scotland. 154 pp.