

## **Suggested Reading – Spiny Forest Madagascar**

### **General**

- Brown, K.A. & Gurevitch. (2004) long-term impacts of logging on forest diversity in Madagascar. *Proceedings of the National Academy of Sciences*. 101, 6045-6049.
- Fenn, M.D. (2003) The Spiny Forest Ecoregion. In Goodman S. M., & Benstead. J.P. *The Natural History of Madagascar*. University of Chicago Press.
- Ganzhorn, J.U., Lowry, P.P., Schatz, G.E. & Sommer, S. (2001). The biodiversity of Madagascar: one of the world's hottest hotspots on its way out. *Oryx*. 35, 346-348.
- Goodman, S.M. & Benstead, J.P. (2005) Updated estimated of biotic diversity and endemism for Madagascar. *Oryx*. 39, 73-77.
- Green, G.M. & Sussman, R.W. (1990) Deforestation History of the Eastern Rain Forests of Madagascar from Satellite Images. *Science*. 248, 212-215.
- Wright, P.C. (1997) The Future of Biodiversity in Madagascar. In Goodman, S. M. *Natural Change and Human Impact in Madagascar*. Smithsonian Institution Press.

### **A comparison of distance sampling and mark-recapture technologies to estimate lemur densities.**

- Axel, A.C., Maurer, B.A. (2011) Lemurs in a complex landscape mapping species density in subtropical dry forests of southwestern Madagascar using data at multiple levels. *American Journal of Primatology*. 73:38–52.
- Borchers DL, Efford MG. 2008. Spatially explicit maximum likelihood methods for capture–recapture studies. *Biometrics* 64:377–385.
- Buckland, S.T., Anderson, D.R., Burnham, K.P., Laake, J.L., Borchers, D.L. & Thomas, L. (2001) *Introduction to Distance Sampling: Estimating the Abundance of Biological Populations*. Oxford University Press Inc. New York.
- Crespin, L., Choquet, R., Lima, M., Merritt, J. & Pradel, R. (2008) Is heterogeneity of catchability in capture-recapture studies a mere sampling artifact or a biologically relevant feature of the population? *Population Ecology*. 50, 247-256.
- Fashing PJ, Cords M. 2000. Diurnal primate densities and biomass in the Kakamega Forest: an evaluation of census methods and a comparison with other forests. *American Journal of Primatology* 50:139–152.
- Focardi, S., Isotti, R., Pelliccioni, E. R. & Iannuzzo, D. (2002) The use of distance sampling and mark-resight to estimate the local density of wildlife populations. *Environmetrics*. 13, 177-186.

- Ganzhorn, J.U., Schmid, J. (1998) Different population dynamics of *Microcebus murinus* in primary and secondary deciduous dry forests of Madagascar. *International Journal of Primatology*. 19, 785–796.
- Ganzhorn, J.U., Kappeler, P.M. (1996). Lemurs of the Kirindy Forest. Ecology and Economoy of a Dry Tropical Forest in Madagascar. *Primate Report*. 46, 257-274.
- Leuteritz, T. E. J., Lamb, T. & Limberaza, J. C. (2005) Distribution, status, and conservation of radiated tortoises (*Geochelone radiata*) in Madagascar. *Biological Conservation*. 124, 451-461.
- Lehman, S.M. (2006) Effects of transect selection and seasonality on lemur density estimates in southeastern Madagascar. *International Journal of Primatology*. 27, 1041–1057.
- Marshall, A.R., Lovett, J.C., White, P.C.L. (2008) Selection of line-transect methods for estimating the density of group-living animals: lessons from the primates. *American Journal of Primatology*. 70, 452–462.
- Norscia, I. & Palagi, E. (2011) Fragment quality and distribution of the arboreal primate *Propithecus verreauxi* in the spiny forest of south Madagascar. *Journal of Tropical Ecology*. 27, 103-106.
- Paquette, S. R., Ferguson, B. H., Lapointe, F. J. & Louis, E. E. (2009) Conservation Genetics of the Radiated Tortoise (*Astrochelys radiata*) Population from Andohahela National Park, Southeast Madagascar, with a Discussion on the Conservation of This Declining Species. *Chelonian Conservation and Biology*. 8, 84-93.
- Smith, A.P., Horning, N. & Moore, D. (1997) Regional Biodiversity Planning and Lemur Conservation with GIS in Western Madagascar. *Conservation Biology*. 11, 498-512.
- Sussman, R.W., Green, G.M., Porton, I., Andrianasolondraibe, O.L. & Ratsarison, J. (2003) A Survey of the Habitat of *Lemur catta* in Southwestern and Southern Madagascar. *Primate Conservation*. 19, 32-57.
- Thomas, L., Buckland, S. T., Rexstad, E. A., Laake, J. L., Strindberg, S., Hedley, S. L., Bishop, J. R. B., Marques, T. A. & Burnham, K. P. (2010) Distance software: design and analysis of distance sampling surveys for estimating population size. *Journal of Applied Ecology*. 47, 5-14.

### **Impact of grazing by domestic animals on spiny forest habitat.**

- Bodin, O., Tengo, M., Norman, A., Lundberg, J. & Elmqvist, T. (2006) The value of small size: Loss of forest patches and ecological thresholds in southern Madagascar. *Ecological Applications*. 16, 440-451.
- Cadotte, M.W., Rakotonasolo, F., Reza, L. & Lovett-Doust, J. (2002) Tree and shrub diversity and abundance in fragmented littoral forest of southeastern Madagascar. *Biodiversity and Conservation*. 11, 1417-1436.

Elmqvist, T., Pyykonen, M., Tengo, M., Rakotondrasoa, F., Rabakonandrianina, E. & Radimilahy, C. (2007) Patterns of Loss and regeneration of Tropical Dry Forest in Madagascar: The Social Institutional Context. *PLoS ONE*. 2, 402.

Singh. L. & Singh. J.S. (1993) Importance of short-lived components of a dry tropical forest for biomass production and nutrient cycling. *Journal of Vegetation Science*. 4, 681-686.

Sussman, R.W. & Rakotozafy, A. (1994) Plant Diversity and Structural Analysis of a Tropical Dry Forest in Southwestern Madagascar. *Biotropica*. 26, 241-254.

### **Rare bird communities under differing management regimes in the Ifotaka North Protected Area: conservation versus sustainable use.**

Bodin, O., Tengo, M., Norman, A., Lundberg, J. & Elmqvist, T. (2006) The value of small size: Loss of forest patches and ecological thresholds in southern Madagascar. *Ecological Applications*. 16, 440-451.

Cadotte, M.W., Rakotonasolo, F., Reza, L. & Lovett-Doust, J. (2002) Tree and shrub diversity and abundance in fragmented littoral forest of southeastern Madagascar. *Biodiversity and Conservation*. 11, 1417-1436.

Dirac, C., Andriambelo, L. & Sorg, J.P. (2006) Scientific Basis for a Participatory Forest Landscape Management. *Madagascar Conservation and Development*. 1, 31-33.

Scott, D. M., Brown, D., Mahood, S., Denton, B., Silburn, A. & Rakotondraparany, F. (2006) The impacts of forest clearance on lizard, small mammal and bird communities in the arid spiny forest, southern Madagascar. *Biological Conservation*. 127, 72-87.

Watson, J.E.M., Whittaker, R.J. & Dawson, T.P. (2004) Avifaunal responses to habitat fragmentation in the threatened littoral forests of south-eastern Madagascar. *Journal of Biogeography*. 31, 1791-1807.

Watson, J.E.M., Whittaker, R.J., Dawson, T.P. (2004) Habitat structure and proximity to forest edge affect the abundance and distribution of forest-dependent birds in tropical coastal forests of southeastern Madagascar. *Biological Conservation*. 120, 311-327.

Watson, J.E.M., Whittaker, R.J., Dawson, T.P., (2005) The importance of littoral forest remnants for indigenous bird conservation in southeastern Madagascar. *Biodiversity and Conservation*. 14, 523-545.

### **A comparison of point counts and mist netting to monitor bird communities in fragmented gallery forest.**

Bodin, O., Tengo, M., Norman, A., Lundberg, J. & Elmqvist, T. (2006) The value of small size: Loss of forest patches and ecological thresholds in southern Madagascar. *Ecological Applications*. 16, 440-451.

- Buckland, S.T., Anderson, D.R., Burnham, K.P., Laake, J.L., Borchers, D.L. & Thomas, L. (2001) *Introduction to Distance Sampling: Estimating the Abundance of Biological Populations*. Oxford University Press Inc. New York.
- Cadotte, M.W., Rakotonasolo, F., Reza, L. & Lovett-Doust, J. (2002) Tree and shrub diversity and abundance in fragmented littoral forest of southeastern Madagascar. *Biodiversity and Conservation*. 11, 1417-1436
- Consiglio, T., Schatz, G.E., McPherson, G., Lowry, P.P., Rabenantoandro, J., Rodgers, Z.S., Rabevohitra, R. & Rabehevitra, D. (2006) Deforestation and Plant Diversity of Madagascar's Littoral Forests. *Conservation Biology*. 20, 1799-1803.
- Thomas, L., Buckland, S. T., Rexstad, E. A., Laake, J. L., Strindberg, S., Hedley, S. L., Bishop, J. R. B., Marques, T. A. & Burnham, K. P. (2010) Distance software: design and analysis of distance sampling surveys for estimating population size. *Journal of Applied Ecology*. 47, 5-14.
- Watson, J.E.M., Whittaker, R.J. & Dawson, T.P. (2004) Avifaunal responses to habitat fragmentation in the threatened littoral forests of south-eastern Madagascar. *Journal of Biogeography*. 31, 1791-1807.
- Watson, J.E.M., Whittaker, R.J., Dawson, T.P. (2004) Habitat structure and proximity to forest edge affect the abundance and distribution of forest-dependent birds in tropical coastal forests of southeastern Madagascar. *Biological Conservation*. 120, 311-327.
- Watson, J.E.M., Whittaker, R.J., Dawson, T.P., (2005) The importance of littoral forest remnants for indigenous bird conservation in southeastern Madagascar. *Biodiversity and Conservation*. 14, 523-545.