

I88- Innovation Award
Colleen Begg

Mitigation of negative human impacts on large carnivore populations in Niassa National Reserve, northern Mozambique.

Outputs	Date Completed	Measurable indicators	Target audience	Result/ Comments
Objective 1				
Community MOMS scouts identified and trained at SRN workshop	December 2007 December 2008	5-8 new community scouts (5 villages) 5-8 new community scouts (5 villages)	SRN Communities	19 community scouts trained in 17 villages in collaboration with SRN
MOMS reporting	February 2008 February 2009	Annual reports in MOM formats by community scouts	SRN Communities	Completed
Objective 2				
Possible mitigation methods – lit. review	August 2007	Ranked list of possible mitigation methods from other areas	SRN	Completed
Identification of local mitigation methods	July 2008	Meetings in selected communities Ranked list of NNR solutions already in place	Target communities SRN	Completed, living fences and safe shelters identified. Education materials produced, extension officer hired and visits all villages. Fences planted in 4 villages.
Community meetings-behavioural changes to avoid conflict	July-December 2008	Presentation to MOMS scouts Local language pamphlets/ newsletter for communities	Communities	Completed, Safe behaviour poster produced, extension worker employed to talk about issues in local languages
Mitigation methods tested and implemented	July 2008-July 2010	1-3 actual techniques implemented in 2 target villages in individual fields	SRN Communities	Bamboo fences, living fences tested and implemented in 4 villages
Reporting	Aug –Dec 2010	Final report Local language poster Presentation to MOMS scouts Presentation to communities	SRN Communities	Completed all outputs, plus additional presentation to Teachers and local government officials, ongoing extension work. Portuguese storybook highlighting issues.
Objective 3				
Lion-Hyaena call-up	July-Aug 2008	1 –2 NNR employees trained	SRN	Completed, third call up is currently being

survey		90-100 call stations surveyed Data compared to 2005		completed to compare results
Ecological research initiated	Aug 2007-Dec 2009	Additional lion + 2-4 leopards collared 30 camera stations (60 traps) set Research assistants trained	SRN	Completed, ongoing lion collaring to monitor mortality and movement patterns. 8 leopards collared and monitored and killed by snares. Camera trapping completed in 2008, 2009 and 2010 and data used by A. Jorge to complete a Masters Degree. Data in press. Highlighted snaring threats and high turnover.
Ecological Indicators	Dec 2009	Indicators of status of large carnivores identified, SRN survey protocols finalised	SRN	Identified, and reports produced for SRN, however NCP MOU has been extended by Reserve management to provide additional monitoring support. All staff members are Mozambican. A. Jorge is Conservation Manager.
Objective 4				
Validation of visual aging cues	Nov 2008 –lion Nov 2009 -leopard	Newsletter prepared on how to age lions and leopard in NNR	Professional Hunters	Pamphlet produced, regular meetings
Trophy monitoring	November each year	All lion and leopard trophies aged Annual written report	SRN SF, Hunters	Annually continues, has been very successful at reducing number of underage lions taken as trophies.
All objectives				
Results analysed and disseminated	February -annually April -annually April -annually	Annual written reports Powerpoint Presentations (2)- Maputo	SRN/ NNR staff Hunting operators PHs University students	All completed, annual reports and financial reports plus presentations.
Final report	Dec 2010	Written final report	All interested	Completed in 2011, extended one year to complete outstanding activities
Results disseminated to conservation community	Feb 2011	1-2 Scientific papers in press Popular article –Africa Geographic?	Conservation community	One paper in press, data on lion densities submitted with other researchers, one paper in prep.