

Darwin Initiative for the Survival of Species

Half Year Report (due 31 October each year)

Project Ref. No.	14 -060
Project Title	Sustainable Management of Ornamental Fish Species in Mamiraua, Brazil
Country(ies)	Brazil
UK Organisation	Zoological Society of London (ZSL)
Collaborator(s)	Sociadade Civil Mamiraua (SCM)
Report date	26 October 2006
Report No. (HYR 1/2/3/4)	HYR 2
Project website	

1. Outline progress over the last 6 months (April – September) against the agreed baseline timetable for the project (if your project has started less than 6 months ago, please report on the period since start up).

Project implementation timetable - Progress April - October 2006		
Date	Key milestone	Progress
Aug 05	Undertake review of current ornamental trade and develop trade links (e.g. in UK). Steps and processes, authorisation etc in Brazil and internationally.	This is complete although the relationship development and monitoring of the market will continue throughout the project. Two reports have been produced An Industry Analysis Of The Freshwater Ornamental Fishery With Particular Reference To The Supply Of Brazilian Freshwater Ornamentals To The UK Market (June 2006) and A Review Of The Market For Brazilian Ornamental Freshwater Fish In The UK (August 06)
Dec 05	Biological research survey methodologies finalised.	100% complete. Biological Survey Protocol agreed.
Dec 05	Collect additional information necessary for Collection Area Management Plan (CAMP).	85% complete. Data collection is on-going as new information is uncovered through interviews and government records.
Dec 05	Potential communities and individuals identified for involvement in the project.	75% complete. Once the biological surveys have been completed the fishing grounds/collection areas will be determined. At this point the communities will be invited to participate in the project. Note: the project now encompasses areas and communities that did not originally ask for the feasibility of a trade in ornamental fish to be undertaken. The project has been introduced to all riparian communities adjacent to the potential collection areas and in early 2007, the participating communities will be confirmed as the structure of the Fishing Association is developed in collaboration between the communities and Sociadade Civil Mamiraua
May 06	Determine protocol to establish extraction procedure (collection areas and no-take areas expected to relate to MSDR management plan). List of suitable species determined	75% complete. A list of suitable species for collection has been produced. This is a 'working list' that will need to be regularly appraised as biological and economic data are gathered and processed. There is substantial seasonality within the fishing period. Fish can only be caught in sufficient numbers during the dry (or low water) season August – November. During recent surveys, an adequate number of fish were collected, which are currently being processed. This will inform the extraction procedure (i.e. taking fish from different habitats/niches) and finalise the species list. This will be completed by February 2006.

May 06	Baseline surveys at Mamirauá completed, database components established and data entered.	80% completed. The November collection will complete the annual cycle in the Amana Reserve.
May 06	Socio-economic situation of community explored through participatory meetings, interviews and information gathering. Details obtained on desired community collection methods and association structure to feed into CAMP.	90% complete. Interviews with five communities are still outstanding due to logistical difficulties but these will be completed in October/November 2006.
May 06	Identify and document current typical production processes and systems including collection, fishing, handling, husbandry and transportation.	This has been completed and is included in the Industry Analysis Of The Freshwater Ornamental Fishery . A field visit was also undertaken by the socioeconomist, trade expert, fish welfare expert and the Project Leader to Barcelos, Rio Negro, September 2006 to follow and observe the typical chain of custody and specifically to document water quality and animal handling procedures.
May 06	Determine current Brazilian trade regulations/exportation requirements and investigate likely future developments	This has been completed and is included within the Industry Analysis and the draft Business Plan.
June 06	Biological survey findings report produced and information disseminated to community.	The findings of the biological surveys are still being worked up due to the seasonality of the collection period. Until these are complete and we know what we are collecting, they will not be disseminated to the communities. The communities are being kept informed of the progress of the project through the Reserve Management Meetings and through the community radio, and during field visits. During our recent project workshop, held to discuss project progress and outputs, the format of the community liaison/information leaflets was agreed. This will be prepared in January 2007 and will include photos, biological and social findings. These will be organised on a CD and a reference collection of fish established, which then can also be used in the community schools.
August 06	Working biological monitoring protocol documentation prepared	The Biological Indicators and Monitoring Protocol has been agreed but needs minor amends to the frequency of some of the monitoring procedures. A paper has been prepared on the Biological Integrity Index which will be part of the monitoring. The completed document is currently being finalised.
Sept 06	Collection scheme set-up designed to reflect community requirements. Socio-economic report completed and protocol in place to monitor socio-economic indicators of project	Draft socio-economic indicators were discussed at our recent workshop in September 06. Although, most were valid, it was felt that further indicators needed to be developed to measure the organisational and technical capacity of the communities to implement a sustainable trade. The final socioeconomic indicators and report will be completed by end of November 2006.
Sept 06	Organisation of association, registration and membership ascertained (all sectors of community considered).	The organisational structure of the 'fishers association' was discussed in detail at the 2006 project workshop. Once the areas of fish collection have been defined, the structure of the fishing associations will be developed in agreement with the communities. Research is being undertaken by the Trade Advisor and Socio Economist into the various options, such as the benefits of using existing structures within the Reserves compared to a new 'ornamental fishing association'. The process of registration will take 1-2 years and so will be on-going. This is within the timetable of the project.
Aug 07	Develop a business plan (draft by Aug 06, amend and update following annual review, Aug 07).	The structure of the Business Plan has been developed and a draft version of the report produced. This is still more in the form of a feasibility study rather than a specific Business Plan and so this will need to be worked on further over the next six months as biological information becomes available.
Aug 08	Training of fishers associations in sustainable exploitation, resource management, use of CAMP, safety, monitoring, reporting, husbandry and transportation techniques, finance.	A training programme to develop the capacity of the communities to effect a sustainable trade is being drawn up by the Socio Economist.

