INTEGRATED CO-MANAGEMENT OF ZAMBEZI / CHOBE RIVER FISHERIES RESOURCES PROJECT

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Project Phase II: Implementation Presentation to MFMR HQ, February 2010





Importance of support for Fish Protection Areas



Proposed and potential Fish Protection Areas

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PREPARATION OF THIS DOCUMENT

The second phase of the project entitled "Integrated Co-management of Zambezi / Chobe River Fisheries Resources Project has begun in January 2010. The Goal, Purpose, and Proposed Outputs for the second phase are as follows:

- **1.1 Project Goal:** The shared Zambezi/Chobe River fisheries resources sustainably managed by promoting transboundary coordination and collaboration on the introduction of fully integrated fishery management systems.
- **1.2 Project Purpose:** By end 2012, a fully integrated management system for livelihood and sport fisheries, that provides optimal benefits to all stakeholders reliant on this valuable resource, is in place in targeted pilot communities.

1.3 Project Outputs

<u>Output 1</u>: Cross-border collaboration achieved in management of the fisheries resources.

<u>Output 2:</u> Management plan for the fisheries developed during Project Phase 1 successfully implemented (in collaboration with neighbouring countries) for the benefit of the communities.

<u>Output 3:</u> Fish Protection Areas established and fully functional in targeted pilot communities.

<u>Output 4:</u> Tourist angling lodges operating in agreement with local fishing/conservancy committees.

<u>Output 5:</u> Capacity built in research and monitoring of fish resource.

<u>Output 6:</u> Collaboration in next phase of NNF fish ranching project.

In order to achieve these outputs, inputs are necessary by the Ministry of Fisheries and Marine Resources. Two key areas are (a) legislative support for the implementation of recommendations made during the first phase of the project that are necessary to achieve management goals and outputs; and (b) availability of scientific staff and students to be trained by the project to develop capacity in research and monitoring. To clarify these requirements, presentations have been made to past and present Minister, Permanent Secretary and senior staff to explain the reasons for the project's aims and activities, and to clarify the inputs that were necessary. This document contains the key presentation given in February 2010 in the MFMR office in Windhoek, the contents of which have been endorsed by the MFMR.





To sustainably manage the shared Zambezi/Chobe River fisheries resources by promoting transboundary coordination and collaboration on the introduction of fully integrated fishery management systems

PROJECT PURPOSE

By end 2012, a fully integrated management system for livelihood and sport fisheries, that provides optimal benefits to all stakeholders reliant on this valuable resource, is in place in targeted pilot communities.







WHAT ELSE CAN WE DO?

Empower conservancies and/or village fishing committees to
formulate their own rules, with guidance from the project and MFMR

Encourage the setting up of reserves (FPAs) where no extractive fishing takes place, to act as breeding and nursery areas to seed the fishing areas with new fish stocks

* Keep overall government fishery regulations short and simple, concentrating only on prohibiting the most damaging gears

Agree all other regulations at a local level through participation with, and agreement with, the individual conservancies/village committees

WHAT ELSE CAN WE DO? continued... PREVIOUS SLIDE, LAST POINT Agree all other regulations at a local level through participation with, and agreement with, the individual conservancies/village committees WHY? Because the floodplain fisheries have very different characteristics in different areas Main river channels: fishery dominated by large bream species and tigerfish

🖛 Lagoons: breams but also numerous smaller species

Shallow streams and pans on floodplains during flood events only:



AND LARGE LAGOONS:

Strong regulations to protect valuable large fish species,

- for financial benefit of fishing communities,

- to support tourism resource, provides employment and income to rural communities in areas where few other employment opportunities exist



COMMUNITY FLOODPLAIN FISHERY



DESTRUCTIVE GEARS – IMPLEMENT TOTAL BAN

Possession of illegal gear to be made a criminal offence even if not being fished (traders supplying such gears as guilty as fishermen using them)

Import and use of monofilament gillnets must be stopped urgently, as they increase pressure on already overfished species

Following illegal methods must remain banned under any circumstances:

- Seine nets (dragnets) (possible exception in drying lagoons, only with special agreement with community)
- Drifting gillnets
- Driving fish into gillnets by beating water or bankside vegetation
- Poisons and explosives



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TOURIST RECREATIONAL FISHERY



- Value of lodges to local communities (particularly employment) Target species are tigerfish (stocks generally healthy) and large 'bream' species (stocks over-exploited and in urgent need of management)
- Most operate catch-and-release policy therefore lodges do not have an impact on fishermen's livelihoods
- Potential for conservancies to manage FPAs where catch and
- This would help to resolve conflict between lodge owners and
- commercial/subsistence fishermen over resource utilisation

FISH PROTECTION AREAS

Communities/conservancies recognise value of protecting areas where fish can breed and grow in peace and thereby replenish fish stocks in neighbouring areas

Communities recognise potential for income from tourists practising catch-and-release angling in these reserved areas

Following slides show areas proposed by the communities as reserves. Boundaries have been agreed, management plans have been formulated by the communities for these reserves, and provisional agreements have already been reached with several lodges for angling rights in these areas

Implementation only needs Ministry agreement under existing legislation.







PROJECT ACHIEVEMENTS SO FAR

Improved understanding of floodplain fisheries dynamics

March 10

- Sound biological basis now available for adaptive management
- Thorough groundwork prepared in Namibia for community management based on conservancy principles
- Excellent relations established with TAs, conservancy and fishing committees in Namibia project area
- Potential for no-fishing reserves accepted in principle by fishing communities
- Lines of communication with Zambia Department of Fisheries (DoF) established
- Collaboration on frame survey with DoF Collaborations for modification to Namibia Inland Fisheries legislation (but still needs further input to remove excessive gear restrictions)
- Support for Lead fish ranching programme, which is very successful in its initial phase and has high potential for further expansion Good communication with tourist angling lodges



 Cross-border collaboration achieved in management of the fisheries resources.

Management plan for the fisheries developed during Project Phase 1 successfully implemented (in collaboration with neighbouring countries) for the benefit of the communities.

Fish Protection Areas established and fully functional in targeted pilot communities.

* Tourist angling lodges operating in agreement with local fishing/conservancy committees.

Capacity built in research and monitoring of fish resource.

Collaboration in next phase of NNF fish ranching project.





MFMR: CAPACITY IN RESEARCH AND MONITORING OF FISH RESOURCE

This is major step towards achieving project goal and purpose

 Project has initiated links with external scientists and research institutions (UNAM & SAIAB/RU-DIFS) to set up research projects in collaboration with MFMR in Katima Mulilo to obtain further information on the dynamics of the Caprivi fisheries

This is excellent opportunity to involve MFMR in active research, during which at least one MFMR scientist will be able to work towards a further degree in Fisheries Science

Develop capacity and skills (a) for the future benefit of the ministry and (b) to improve the scientific information on which management of the fisheries is based





1. MINISTERIAL LEVEL MEETING WITH ZAMBIAN COUNTERPARTS

Needed to sensitise Zambian authorities and obtain the go-ahead for project to cooperate with Zambian organisations (Royal Establishment, ZAWA, KAZA, NGOs, etc.) and assist in collaboration with Zambian Department of Fisheries

INITIATION OF NEXT PHASE BY THE MFMR, WINDHOEK

and

3. SENSITISE INSPECTORATE TO NEED FOR CHANGES IN APPROACH TO FLOODPLAIN FISHERY MANAGEMENT



INITIATION OF NEXT PHASE BY THE MFMR, WINDHOEK

5. APPROVE THE REVISION OF THE LEGISLATION PROPOSED BY THE PREVIOUS PHASE OF THE PROJECT, INCLUDING:-

Simplification of laws to concentrate on banning destructive gears

For all other fishing activities: accept the principle of community management agreements at the local level

INITIATION OF NEXT PHASE BY THE MFMR, WINDHOEK

6. APPROVE, AND PROVIDE THE NECESSARY LEGISLATIVE SUPPORT FOR, THE ESTABLISHMENT OF FISH PROTECTION AREAS REQUESTED BY THE LOCAL COMMUNITIES

This includes providing initial active support by the Inspectorate to these communities to ensure that the aims and boundaries of these FPAs are recognised and respected

INITIATION OF NEXT PHASE BY THE MFMR, WINDHOEK

7. REVIEW, AS A MATTER OF URGENCY, THE CURRENT SYSTEM OF LICENSING...

Licensing is NOT a system of taxation! It is a mechanism for controlling fishing effort by controlling the number of licences issued.

The present system, whereby licences are issued by one person in the Regional Council, is unworkable. Only 16% of present fishermen are licensed!

Transferring responsibility to fishing committees/ community organisations/ traditional authorities/ angling organisations/ lodges will result in greater uptake of licences and will support a system of registration and management by the empowered communities. MFMR has a major role to play in the development of a workable system to replace the present unsatisfactory situation.

INITIATION OF NEXT PHASE BY THE MFMR, WINDHOEK

8. GUIDE MAJOR ENFORCEMENT ACTIVITIES BY THE INSPECTORATE TOWARDS ADDRESSING THE DESTRUCTIVE FISHING METHODS IN THE MAIN CHANNEL AND ASSOCIATED LAGOONS AND BACKWATERS DURING THE LOW WATER PERIOD





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