

Pollution Control and Other Measures to Protect Biodiversity in Lake Tanganyika

Strategic Action Plan

Zambia

Conclusions of the National Working Group Planning Meeting

Preparation for the National Sectoral Problem Review and the
National Environmental Priorities and Strategies Review

29 April 1998

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Summary

The Zambian National Working Group of the Lake Tanganyika Biodiversity Project - LTBP¹ - contributing to the development of a Strategic Action Plan (SAP) for Lake Tanganyika, held their first planning meeting in Lusaka in April 1998.

The meeting has endorsed the process of plan development recommended by the Regional Steering Committee, and will be holding two National Workshops to support the consultation process. The first workshop, dealing with the environmental priorities and threats to the Lake and Shore biodiversity, will be held in June. The second workshop, focusing on the capacity of existing environmental management options, policies and strategies to counteract these threats, will be held in August.

The National Working Group has assigned tasks for preparing background materials to be presented at the workshop, to specific individual responsible for each topic.

The consultation process, building on the existing group membership, will be expanded for the specific requirements of the development of the SAP, and includes representatives from the communities, the private sector, local and international NGOs, the University, and international aid organisations.

1. Background - The Strategic Action Plan

The project document has as the first immediate objective “...*establish a regional long-term management plan for pollution control, conservation and maintenance of biodiversity in Lake Tanganyika.*”.

Since the project document was prepared, the planning ideas incorporated in this immediate objective have been encapsulated in the concept of a Strategic Action Plan - SAP. Fundamental to this concept is the recognition that management plans have to be continually revised in response to changing circumstances, there can be no final plan. The SAP therefore establishes an agreed planning and management process, and prioritises initial interventions based on present knowledge.

1.1 Proposed Development of the SAP

Following the decision of the Steering Committee held in January 1998 to proceed with the formulation of a regional Strategic Action Plan for Lake Tanganyika, the Steering Committee endorsed a process based on seven stages through which the SAP would be developed.

Convene the National Working Groups for the SAP

Convene Technical Advisory Committee for the SAP

National Sectoral Problem Review

National Environmental Priorities and Strategies Review

Transboundary Diagnostic Analysis

¹ Full title “Pollution Control and Other Measures to Protect Biodiversity in Lake Tanganyika”

Draft Strategic Action Plan

Signed Strategic Action Plan

The Steering Committee have set a goal, which is to have the SAP ready for signing by the four countries in March 1999.

2. National Working Group Planning Meeting

The Environmental Council of Zambia called a special National Working Group meeting which was held on 27 and 28 April in Lusaka.

This report presents the main conclusions of the meeting with specific proposals for further actions necessary to carry out the consultation and planning process in Zambia.

The report is in addition to the minutes of the meeting, serving as an abridged record for the Zambian National Working Group, and as a guide to the other three participating countries round the lake on the process that Zambia is adopting to support the development of the SAP.

2.1 Meeting Objectives

The purpose of this meeting was to decide on the scope of the consultation process that would be necessary to fulfil Zambia's commitment to preparing the SAP, and to ensure that Zambia's national concerns are adequately represented in the final SAP.

Following initial discussions, the meeting defined six priority objectives that would be met during the meeting.

- Define the scope of the National SAP process.
- Define the required National consultation process.
- Identify information requirements for the National Sectoral Problem Review.
- Allocate preliminary tasks to National Working Group members to prepare background documentation for the National Sectoral Problem Review.
- Agree a final timetable for all meetings of the National Working Groups for the entire SAP process, specifying dates.
- Agree on the most appropriate membership for the National Working Groups for the SAP process, including additional governmental and non-governmental organisation representation for both the National Sectoral Problem Review and the National Environmental Priorities and Strategies Review.

Although some additional objectives were proposed and are listed in the minutes, the meeting felt that it would be better to concentrate on achieving the above objectives, rather than rushing an extended agenda.

3. National Sectoral Problem Review

The meeting agreed to hold a five day workshop to define the main sectoral problems that Zambia has in the management of the lake and the catchment, that threaten the biodiversity value of the lake.

The potential management zone is taken as including the lake and the lake catchment.

The biodiversity value of the lake is taken to include the biodiversity value of the adjacent shore and wetlands. As such the biodiversity value specifically includes, for example, the value of resident and migratory bird species that depend on lake resources.

The emphasis of the problem review is therefore on *the impacts on lake and shore biodiversity* resulting from *human activities* within the lake and catchment.

The review will also address the feasibility of management interventions to counteract those threats.

3.1 Baseline Reviews

The National Working Group are fully aware that there has already been considerable work carried out already, and that much of this has been summarised in the Baseline Reviews that have been prepared by LTBP. Copies of the Baseline Reviews have been distributed to project counterparts within Zambia.

The information in the baseline reviews was presented at the inception workshop during which countries gave an initial indication of the priority of the problems that threatened the lake resources and, based on this the focus of attention for the special studies.

The background materials for the workshops will therefore take the baseline reviews as a starting point, expanding them to include new information and threats and opportunities for improved management that have developed over the intervening period.

3.2 Main Topics and Preparation of Background Materials

The project assigned specific background topics to individuals, to prepare brief summaries of the information for presentation at the workshop.

The purpose of these summaries is to highlight critical aspects of activities that are threatening the resort and problems and opportunities managing those activities. The review of problems must include trends and projections, such as population growth and expanded population pressure and demands on resources, and associated economic activities such as increased levels of shipping.

Descriptions of the lake and shore biodiversity resource should focus on threatened species, habitats and ecosystems, and should not be merely lists of species.

All summaries should make reference to source materials. Source materials should be brought to the workshop, where possible, to allow participants to refer to original materials.

The following topics were included as requiring background documentation for the workshop:

Lake and Shore Biodiversity - Habitats; Ecosystems; Species Composition / Distribution; Indicator Species; Utilisation; Threatened Species; Threatened Habitats; Introductions of Exotic Species; Water Hyacinth; Ornithology of the Lake and Shore.

Fishing - Biology; Catch & Trends; Fishing Practices; Regulation; Ornamental Trade; Socio-Economics; LTR; Processing/ Marketing; Fishing Impact on BD.

Sediment - Sources/Types/Quantity; Hydrological Data; Sediment Load; Sediment Impacts on BD; Land Use; Industrial and Civil Works; Deforestation; Land Cover.

Water Quality - Eutrophication; River Water Quality; Shipping Pollution; Dangerous Cargo; Regulation; Sewage Treatment; Sanitation; Solid Waste Disposal; Harbour Oil Spills; Fertilisers/Pesticides Runoff; Water borne disease; Water Abstraction; Pollution Impact on BD.

Wildlife Management - Parks Management; Encroachment; Regulation; Fishing Permits; Tourism; Non-Park Wildlife; Poaching.

Catchment Land Use - Settlement Patterns; Population Trends; Migration; Agricultural Systems; Forestry; Natural Woodlands; Wetlands; Mining/Quarries; Mineral Resources; Minor Economic Activities; Cultural heritage.

Institutional Structures for Environmental Management.

The topics specifically excluded such problem areas as Global Warming, as there are no local management initiatives that can tackle such issues.

4. National Environmental Priorities and Strategies Review

The meeting decided that the specific topics that would be included in this workshop would be decided at the National Sectoral Problem Review, based on the conclusions of discussions on priority problems.

However, it is clear that the workshop will review the effectiveness of existing sectoral and cross sectoral policies and legislation in effecting appropriate management interventions to counter the problems identified. The workshop will also review the policies with respect to future national environmental management objectives.

5. Composition of the National Working Group for the SAP

The present National Working Group includes representatives from the following organisations and institutions:

University of Zambia; National Council for Scientific Research; Fisheries (Department of MAFF); Food and Drug Department; Ministry of Legal Affairs; Parks and Wildlife; Department of Water Affairs; Wildlife Conservation Society Zambia; Ministry of Agriculture, Food and Fisheries; Ministry of Environment and Natural Resources; Ministry of Transport (Maritime); Provincial Planning Unit; and the Environmental Council of Zambia, Zambia Environmental Education Programme.

The GEF places considerable emphasis on the inclusion of the private sector in the consultation process. Commercial fishing interests will be represented by Martin Pierce, a member of the National Working Group and a consultant to the Lake Tanganyika Programme.

However in addition the National Working Group will approach the private sector tourist industry, through Parks and Wildlife, to assist in the broader consultation.

In view of the broader technical and policy considerations that would be included in this review, the meeting proposed that representatives from the following organisations:

District Councils; Department of Forestry; Department of Mines; The Harbour Authority; Museums; Zambian Ornithological Society, Chiefs Representatives;

And in addition to deal with environmental policy aspects which would come in to the second workshop:

Policy and Advisory Commission in the Cabinet Office; Chief Health Inspector - responsible for environmental health aspects of pollution and water related disease vectors; UNDP - both for their involvement in the Lake Tanganyika project and for their involvement in wider development projects in Zambia; IUCN - supervising the overall Zambia Biodiversity Programme.

All proposed members of the expanded National Working Group will be invited to both meetings to ensure continuity in the consultation process.

6. National Timetable of Activities

The following timetable was proposed at the meeting:

- **April/May** Confirmation of individual responsibilities for preparing background materials for the National Sectoral Problem Review.
- **May 21/22** National Working Group Meeting to be held at the lake reviewing progress and assigning additional preparation activities.
- **May/June** preparation of background materials.
- **June 29 to July 3** National Sectoral Problem Review Workshop.
- **August 31 to September 4** National Environmental Priorities and Strategies Review.

In addition the National Working Group have proposed the following regional meeting.

- **July 20 and 21** Regional Steering Committee Meeting and first Technical Advisory Committee Meeting (subject to agreement with the other participating countries).

Annex 1

Matrix of Background Topics and Institutions

		Institutions Participating in the National Sectoral Problem Review Workshop																												
		Fisheries	Parks and Wildlife	District Councils	UNZA	Forestry	MAFF (Agriculture/Land Use)	PPU	ECZ	Socio-Economics Consultant	Water Affairs	Harbour Authority	MENR	Mines	Museums	Zambian Ornithol. Soc	Chief Health Inspector	Chiefs Reps.	Commercial Fisheries	District Dev Planning	Food and Drugs	IUCN	Maritime Services	MoLA	NCSR	Policy & Advisory Commission	Private Touris Sector	UNDP	WCSZ	ZEEP
Topics requiring Background Documentation		Individuals Responsible for Preparing Background Documentation and Presenting it to the Workshop																												
		R Sinyinza / L Mwape	C Phiri	J K Mwiliwa / District Secretary Kaputa	H Sichingabula	J Mulombwa	R Chiti	K Siame	C Kashinga	P Chipungu	P L M Kimena	Bowa	G Chilukusha	C Muyunda	Siachoono	G Bowdan														
Lake and Shore Biodiversity																														
	Habitats	X																												
	Ecosystems	X																												
	Species Composition / Distribution	X																												
	Indicator Species	X																												
	Utilisation	X																												
	Threatened Species	X																												
	Threatened Habitats	X																												
	Introductions of Exotic Species	X																												
	Water Hyacinth	X																												
	Ornithology of the Lake and Shore														X															
Fishing																														
	Biology	X																												
	Catch & Trends	X																												
	Fishing Practices	X																												
	Regulation	X																												
	Ornamental Trade	X																												

		Institutions Participating in the National Sectoral Problem Review Workshop																												
		Fisheries	Parks and Wildlife	District Councils	UNZA	Forestry	MAFF (Agriculture/Land Use)	PPU	ECZ	Socio-Economics Consultant	Water Affairs	Harbour Authority	MENR	Mines	Museums	Zambian Ornithol. Soc	Chief Health Inspector	Chiefs Reps.	Commercial Fisheries	District Dev Planning	Food and Drugs	IUCN	Maritime Services	MoLA	NCSR	Policy & Advisory Commission	Private Touris Sector	UNDP	WCSZ	ZEEP
	Socio-Economics									X																				
	LTR	X																												
	Processing/ Marketing	X																												
	Fishing Impact on BD	X																												
Sediment																														
	Sources/Types/Quantity				X																									
	Hydrological Data				X																									
	Sediment Load				X																									
	Sediment Impacts on BD				X																									
	Land Use					X																								
	Industrial and Civil Works						X																							
	Deforestation					X																								
	Land Cover					X																								
Water Quality																														
	Eutrophication	X																												
	River Water Quality										X																			
	Shipping Pollution									X																				
	Dangerous Cargo									X																				
	Regulation										X																			
	Sewage Treatment			X																										
	Sanitation			X																										
	Solid Waste Disposal			X																										
	Harbour Oil Spills										X																			
	Fertilisers/Pesticides Runoff					X																								
	Water borne disease			X																										
	Water Abstraction			X																										

		Institutions Participating in the National Sectoral Problem Review Workshop																												
		Fisheries	Parks and Wildlife	District Councils	UNZA	Forestry	MAFF (Agriculture/Land Use)	PPU	ECZ	Socio-Economics Consultant	Water Affairs	Harbour Authority	MENR	Mines	Museums	Zambian Ornithol. Soc	Chief Health Inspector	Chiefs Reps.	Commercial Fisheries	District Dev Planning	Food and Drugs	IUCN	Maritime Services	MoLA	NCSR	Policy & Advisory Commission	Private Touris Sector	UNDP	WCSZ	ZEEP
	Pollution Impact on BD				X																									
Wildlife Management																														
	Parks Management		X																											
	Encroachment		X																											
	Regulation		X																											
	Fishing Permits		X																											
	Tourism		X																											
	Non-Park Wildlife		X																											
	Poaching		X																											
Catchment Land Use																														
	Settlement Patterns			X																										
	Population Trends							X																						
	Migration							X																						
	Agricultural Systems					X																								
	Forestry					X																								
	Natural Woodlands					X																								
	Wetlands		X																											
	Mining/Quarries			X																										
	Mineral Resources												X																	
	Minor Economic Activities								X																					
	Cultural heritage													X																
Institutional Structures for Env. Mgt.												X																		
		18	8	7	5	4	3	3	2	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0