

DRAFT

STRATEGIC PLAN OF THE KUISEB BASIN MANAGEMENT COMMITTEE (KBMC)

“ensure efficient and equitable access to water and sustainable, integrated use of related resources in the Kuiseb River basin”.

- Focus Area 1: To promote community participation in the protection, use, development, conservation, management and control of water resources, including groundwater in its Water Management Area through education and other appropriate activities
- Focus Area 2: To prepare a Water Resources Plan for the Basin which plan shall be submitted to the minister for consideration in the development of the National Water Master Plan provided for in Chapter 6 of the Water Resources Management Act
- Focus Area 3: To make recommendations regarding the issuance of licenses and permits under the Water Resources Management Act
- Focus Area 4: To promote community self-reliance, including the recovery of costs for the operation and maintenance and replacement of waterworks
- Focus Area 5: To facilitate the establishment of an operation and maintenance system of waterworks and the accessing of technical support for associations within its Water Management Area
- Focus Area 6: To monitor and report on the effectiveness of policies and action in achieving sustainable management of the Water Management Area
- Focus Area 7: To collect, manage and share such data as are necessary to properly manage the Basin in coordination with the Agency provided for in Section 17 of the Water Resources Management Act
- Focus Area 8: To develop a Water Research Agenda, together with the Water Resources Management Agency, appropriate to the needs of water management institutions and water users within its Water Management Area
- Focus Area 9: Liaise on a local, regional and national level with all stakeholders, thus embodying full consultation and participation by local communities and stakeholders
- Focus Area 10: Identify and resolve natural resource conflicts, where the KBMC will act in a facilitative capacity
- Focus Area 11: To actively lobby for financial assistance to ensure the self sufficiency of the Kuiseb Basin Management Committee

Focus Area 1: To promote community participation in the protection, use, development, conservation, management and control of water resources, including groundwater in its Water Management Area through education and other appropriate activities

Goal 1-1: Involve the community in the communal area in general water management in their area							
Strategy	Input required	Responsibility	Completion Date	2004	Resources 2005	2006	Achievements / Progress to date
1.1.1 Facilitate a feedback system with the Water Point Committees re water problems.	1.1.1.1 A representative selected from amongst the Water Point Committee members to attend the KBMC meeting annually to give feedback on activities.	Water Point Committee	Annually in between the Forum mtgs	annually	annually	annually	Limited Water Point Committees established
	1.1.1.2 Support the implementation of a forum for the water point committees to meet on a regular basis to discuss problems and find solutions. DRWS to facilitate	Water Point Committee / DWA / DRWS	establish by Dec 2004	WPC to meet quarterly	WPC to meet quarterly	WPC to meet quarterly	None

Focus Area 2: To prepare a Water Resources Plan for the Basin which plan shall be submitted to the Minister for consideration in the development of the National Water Master Plan provided for in Chapter 6 of the Water Resources Management Act

Goal 2-1: Prepare a water balance for the Kuseb Basin that compares forecasted water demand with data and information regarding the availability of water in the Kuseb River (See clause 36 (2) (a) of the WRM Bill)							
Strategy	Input required	Responsibility	Completion Date	2004	Resources 2005	2006	Achievements / Progress to date
2.1.1 Gather information on water resources in the Kuseb River to compile a water mgmt plan	2.1.1.1 DWA to confirm the sustainable yield of the Kuseb and update on a regular basis. Officially submit data to the KBMC by Jun04.	DWA	Dec 2004	Verify sustainable yield	annual update	annual update	NamWater calculated sustainable yield at 7.4mill m ³ /a
	2.1.1.2 Stakeholders that utilise water from the Kuseb to submit all available historical water consumption figures to the KBMC.	Individual stakeholders	Dec 2004	record historical consumption	-	-	None
	2.1.1.3 Stakeholders that utilise water from the Kuseb to submit a projection of its water demand for the next 5 years to the KBMC.	Individual stakeholders	Dec 2004	make 5-year projections	monitor projections	monitor projections	None
	2.1.1.4 Stakeholders utilising water from the Kuseb to submit their water consumption figures to the KBMC on an annual basis.	Individual stakeholders	Annually	annually	annually	annually	None

Goal 2-1: Prepare a water balance for the Kuiseb Basin that compares forecasted water demand with data and information regarding the availability of water in the Kuiseb River (See clause 36 (2) (a) of the WRM Bill)							
Strategy	Input required	Responsibility	Completion Date	Resources			Achievements / Progress to date
				2004	2005	2006	
	2.1.1.5 The KBMC to compile a Water Balance and submit it to the Minister. The Water Balance to at least include: <ul style="list-style-type: none"> • Goals & objective to be achieved • Current state of resources • Options available • Water allocation strategy • Practical Management plan • Performance indicators to be met • Progressive implementation • Outline monitoring and review • Rules for supply in emergencies 	KBMC	within 2yrs ie Nov 2005	conduct research	submit Water Balance	update annually	None
	2.1.1.6 Monitor & adjust the implementation of the water management plan.	KBMC	from Jan 2006	-	-	monitor and adjust	None
	2.1.1.7 Submit a reviewed Water Balance Plan of the KBMC to the Minister every 4 years.	KBMC	every 4 yrs	-	-	-	None
2.1.2 Investigate options if the demand exceeds the sustainable yield	2.1.2.1 Stakeholders to prepare a water demand management programme and submit it to the KBMC	Individual stakeholders	Nov 2005	gather data	compile WD mgmt prgm	implement	None

Goal 2-2: Develop and implement efficient Water Management Practices for the Kuiseb Basin in terms of Chapter 11 of the Water Resources Mgmt Act							
Strategy	Input required	Responsibility	Completion Date	Resources			Achievements / Progress to date
				2004	2005	2006	
2.2.1 Each stakeholder to develop and implement water mgmt practices	2.2.1.1 DWA to develop efficient Water Mgmt Practices for the Kuiseb	DWA	within 1-yr of the Act	await Act	within 1-yr of the Act	review	Await promulgation of the Water Act
	2.2.1.2 Stakeholders to implement efficient Water Mgmt Practices	Stakeholder	within 1-yr of the Practices	-	await Practices	within 1-yr of the Act	Await development of Practices by future Water Act

Focus Area 3: To make recommendations regarding the issuance of licenses and permits under the Water Resources Management Act

Goal 3-1: To ensure that persons / institutions abstracting water from the Kuseb have the necessary licenses in terms of Clauses 45 to 59 of the Water Resources Management Act							
Strategy	Input required	Responsibility	Completion Date	Resources			Achievements / Progress to date
				2004	2005	2006	
3.1.1 Monitor water abstraction licenses of stakeholders	3.1.1.1 Stakeholders requiring licenses to apply for such licenses within the time stipulated to do so.	Identified stakeholders	within 1-yr of the Act	await Act	apply by Dec 2005	monitor compliance	Await promulgation of the Act.
	3.1.1.2 KBMC to evaluate each application (ito Clause 47) and submit such comments to the Minister.	KBMC	per application	-	evaluate per application	evaluate per application	Applications awaited
3.1.2 Compile a database of stakeholders having abstraction licenses.	3.1.2.1 Record all abstraction licenses in the Kuseb Basin and monitor the performance and expiry thereof (ito Clause).	KBMC	update per application	-	develop database	update annually	None

Goal 3-2: To prevent water pollution by ensuring that stakeholders discharging effluent in the Kuseb Basin has the necessary licenses in terms of Clauses 70 and 72 of the Water Resources Management Act							
Strategy	Input required	Responsibility	Completion Date	Resources			Achievements / Progress to date
				2004	2005	2006	
3.2.1 Monitor effluent discharge licenses of stakeholders	3.2.1.1 Stakeholders requiring effluent discharge licenses (ito Clause 70) to apply for such licenses within the time stipulated to do so.	Identified stakeholders	within 1-yr of the Act	await Act	apply by Dec 2005	monitor compliance	Await promulgation of the Act.
	3.2.1.2 KBMC to evaluate each application (ito Clause 74) and submit such comments to the Minister.	KBMC	per application	-	evaluate per application	evaluate per application	Applications awaited
3.2.2 Compile a database of stakeholders having discharge licenses.	3.2.2.1 Record in a database the terms and conditions of each discharge license holder and monitor the performance and expiry thereof (ito Clause 77 and 79).	KBMC	within 1-yr of the Act	-	develop database	update annually	None

Focus Area 4: To promote community self-reliance, including the recovery of costs for the operation, maintenance and replacement of waterworks

Goal 4-1: Monitor and advise concerning a water management programme amongst the communal farmers to ensure the sustainability of the Basin							
Strategy	Input required	Responsibility	Completion Date	Resources			Achievements / Progress to date
				2004	2005	2006	
4.1.1 Support the findings of the socio-economic study done amongst the Topnaar community	4.1.1.1 Build on the existing study to ensure a greater understanding of the socio-economic conditions of the Topnaar along the Kuiseb River.	DRFN	final report by Jun 2004	report by Jun 2004	capacity building	capacity building	Results from current study available
	4.1.2.2 Support and advise the Topnaar Community regarding their Strategic Plan	Topnaar Comm.	final report Dec 2004	report by Dec 2004	support & advise	support & advise	Finalisation of the Strategic Plan awaited

Focus Area 5: To facilitate the establishment of an operation and maintenance system of waterworks and the accessing of technical support for associations within its Water Management Area

Goal 5-1: Facilitate the development and implementation of an effective maintenance system							
Strategy	Input required	Responsibility	Completion Date	Resources			Achievements / Progress to date
				2004	2005	2006	
5.1.1 Compile a database of existing infrastructure of stakeholders	5.1.1.1 Stakeholders to submit details of their infrastructure to the KBMC	Individual stakeholders	by April 2005	-	compile database	update database	None

Focus Area 6: To monitor and report on the effectiveness of policies and action in achieving sustainable management of the Water Management Area

Goal 6-1: Ensure that the water supplied from the Kuiseb is wholesome and safe for all consumers							
Strategy	Input required	Responsibility	Completion Date	Resources			Achievements / Progress to date
				2004	2005	2006	
6.1.1 Finalise the Namibian Water Quality Guide	6.1.1.1 Liaise with DWA to finalise the Water Quality Guidelines for Namibia	DWA	Nov 2004	Finalise Guide	adhere to Guidelines	adhere to Guidelines	Draft Namibian Guide available
	6.1.1.2 Liaise with DWA to finalise the Minimum Standards of Effluent Quality for Namibia	DWA	Nov 2004	Finalise Standards	adhere to Standards	adhere to Standards	RSA Guide available

Goal 6-2: Ensure the effective implementation of the licensing requirements							
Strategy	Input required	Responsibility	Completion Date	2004	Resources 2005	2006	Achievements / Progress to date
6.2.1 Train relevant stakeholders in the licensing requirements	6.2.1.1 Ensure that training workshops take place to build capacity within the relevant stakeholders that will have to implement the licenses.	DWA	await the Act	await the Act	Training workshops	-	Await the Act

Focus Area 7: To collect, manage and share such data as are necessary to properly manage the Basin in coordination with the Agency provided for in Section 17 of the Water Resources Management Act

Goal 7-1: To ensure the control and protection of the Groundwater in the Kuseb Basin							
Strategy	Input required	Responsibility	Completion Date	2004	Resources 2005	2006	Achievements / Progress to date
7.1.1 Compile a database of all the boreholes of the various stakeholders.	7.1.1.1 Stakeholders to provide the KBMC with data regarding their boreholes (ito Clauses 60 and 61).	KBMC	Nov 2006	gather data	gather data	complete database & update	None

Goal 7-2: To ensure the safety of dams in the Kuseb Basin in terms of Chapter 12 of the Water Resources Mgmt Act to implement flood management procedures							
Strategy	Input required	Responsibility	Completion Date	2004	Resources 2005	2006	Achievements / Progress to date
7.2.1 Compile a database of dams in the Kuseb.	7.2.1.1 Submit details of all dams (registered and un-registered) of relevant Stakeholders to the KBMC for record purposes.	Stakeholders	as required in the Act	gather data	compile database	update	None
	7.2.1.2 KBMC to ensure that all dams of relevant stakeholders are registered (ito Clause 12)	KBMC	as required in the Act	-	monitor registration	monitor registration	None

Goal 7-3: To ensure that rainfall and runoff data are recorded and are available for use by others.							
Strategy	Input required	Responsibility	Completion Date	2004	Resources 2005	2006	Achievements / Progress to date
7.3.1 Compile database of all rainfall & runoff record from stakeholders.	7.1.1.1 All stakeholders to provide the KBMC with data re rainfall and runoff to be included in the database.	KBMC	Nov 2006	gather data	gather data	complete database & update	None

Focus Area 8: To develop a Water Research Agenda, together with the Water Resources Management Agency, appropriate to the needs of water management institutions and water users within its Water Management Area

Goal 8-1: Determine the availability and sustainability of water resources							
Strategy	Input required	Responsibility	Completion Date	Resources			Achievements / Progress to date
				2004	2005	2006	
8.1.1 Coordinate research into available resources	8.1.1.1 KBMC to identify further research / needs & recommend a prgm for implementation. Fields already identified are: <ul style="list-style-type: none"> Rainfall distribution Up- / downstream relationship Deterioration of water quality Status of upper catchment area 	KBMC to identify	by June 2005	coordinate research	implement from Jun 2005	identify additional needs	None
	8.1.1.2 Review and update research agenda	KBMC	as identified	-	-	review	Limit existing data
8.1.2 Compile a Kuseb Basin profile	8.1.2.1 All researched info to be combined into one report	KBMC / Secretariat	by Dec 2005	compile report	finalise report	update research	Draft Kuseb profile available

Goal 8-2: Establish environmental water rules in the Kuseb Basin relating to environmental flows							
Strategy	Input required	Responsibility	Completion Date	Resources			Achievements / Progress to date
				2004	2005	2006	
8.2.1 Implement research into environmental flows	8.2.1.1 Research into environmental flows should at least take the following aspects into consideration: <ul style="list-style-type: none"> Committed ecosystem water Specific env. requirements 	KBMC to identify	by June 2007	coordinate research	coordinate research	by June 2007	None

Focus Area 9: Liaise on a local, regional and national level with all stakeholders, thus embodying full consultation and participation by local communities and stakeholders

Goal 9-1: Raise awareness amongst stakeholders and the general public re water management in general							
Strategy	Input required	Responsibility	Completion Date	Resources			Achievements / Progress to date
				2004	2005	2006	
9.1.1 Create a central library where all info is kept.	9.1.1.1 The library could be a physical location or a common web-site where data can be centrally located and be made available to all stakeholders.	Secretariat	June 2005	-	establish library	update	None

Goal 9-1: Raise awareness amongst stakeholders and the general public re water management in general							
Strategy	Input required	Responsibility	Completion Date	Resources			Achievements / Progress to date
				2004	2005	2006	
9.1.2 Develop a strategy to create and maintain stakeholder awareness	9.1.2.1 The strategy should be implemented in such a way that information is accessible to all stakeholders.	Secretariat	March 2005	create strategy	implement	implement	None
	9.1.2.2 The strategy should also address the aspect of informing the general public on the progress in the Kuseb Basin	Secretariat	March 2005	create strategy	implement	implement	None
9.1.3 Implement actions to disseminate info to all stakeholders	9.1.3.1 Compile brochures / a booklet on the various requirements in terms of the Act. Secure sponsorships for the compilation, printing and distribution of the booklet.	KBMC / DRFN	Jun 2005	secure sponsorship	N\$20,000	revise if necessary	Draft available
9.1.4 Produce an educational video of the activities in the Kuseb	9.1.4.1 Obtain donor financing to produce a video which can be used by schools to educate and make learners aware of the activities in the Kuseb Basin	KBMC	by Nov 2005	secure sponsorship	N\$70,000	education in schools	None

Goal 9-2: Promote active and constant involvement of stakeholders							
Strategy	Input required	Responsibility	Completion Date	Resources			Achievements / Progress to date
				2004	2005	2006	
9.2.1 Develop a strategy to create and maintain stakeholder involvement	9.2.1.1 All stakeholders must be aware of the importance of the participation and actively contribution towards the successful implementation of basin management.	Secretariat	by March 2005	create strategy	implement	implement	None
	9.2.1.2 The broader Kuseb Basin Forum to meet at least once a year to discuss progress	Secretariat	annually	annually	annually	annually	Next mtg provisionally in Mch05 at Gobabeb
	9.2.1.3 The Chairperson and the Secretariat to meet at least annually with the Minister to report on progress.	KBMC Chairperson & Secretariat	annually	annually	annually	annually	Date provisionally scheduled for Nov04

Focus Area 10: Identify and resolve natural resource conflicts, where the KBMC will act in a facilitative capacity

Goal 10-1: Assist with conflict resolution that exists or which may develop between stakeholder groups							
Strategy	Input required	Responsibility	Completion Date	Resources			Achievements / Progress to date
				2004	2005	2006	
10.1.1 KBMC to only act in a facilitating capacity in resolving conflict between stakeholders	10.1.1.1 KBMC Chairperson to arrange a meeting between respective stakeholders and facilitate discussions to come with a mutually agreed upon solution.	KBMC Chairperson	per conflict	per conflict	per conflict	per conflict	None
	10.1.1.2 Should no amicable solution be reached, arrange and facilitate a meeting with the Ministry.	KBMC Chairperson	per conflict	per conflict	per conflict	per conflict	None

Focus Area 11: To actively lobby for financial assistance to ensure the self sufficiency of the Kuseb Basin Management Committee

Goal 11-1: Generate funds to meet the operational expenditure of the KBMC							
Strategy	Input required	Responsibility	Completion Date	Resources			Achievements / Progress to date
				2004	2005	2006	
11.1.1 Compile a Financing Policy	11.1.1.1 Draft a Financing Policy in terms of which all KBMC financed is to be managed.	DWA / KBMC Treasurer	by Aug 2004	draft Policy	implement	implement	Chairperson busy drafting the Policy
11.1.2 Lobby to obtain funds to meet operational expenses	11.1.2.1 Prepare a budget on the projected operational expenses for the next 3 years and submit to the Ministry for consideration	DWA / KBMC Treasurer	by Nov 2004	N\$20,000	N\$30,000	N\$40,000	None
	11.1.2.2 Try and secure donor funding for the establishment and operation of a secretariat office	DWA & KBMC Treasurer	by Jun 2005	-	secure donor funding	-	None
	11.1.2.3 Investigate other alternatives to secure funding of operational expenses	KBMC	by Jun 2005	investigate	submit proposals	implement	None