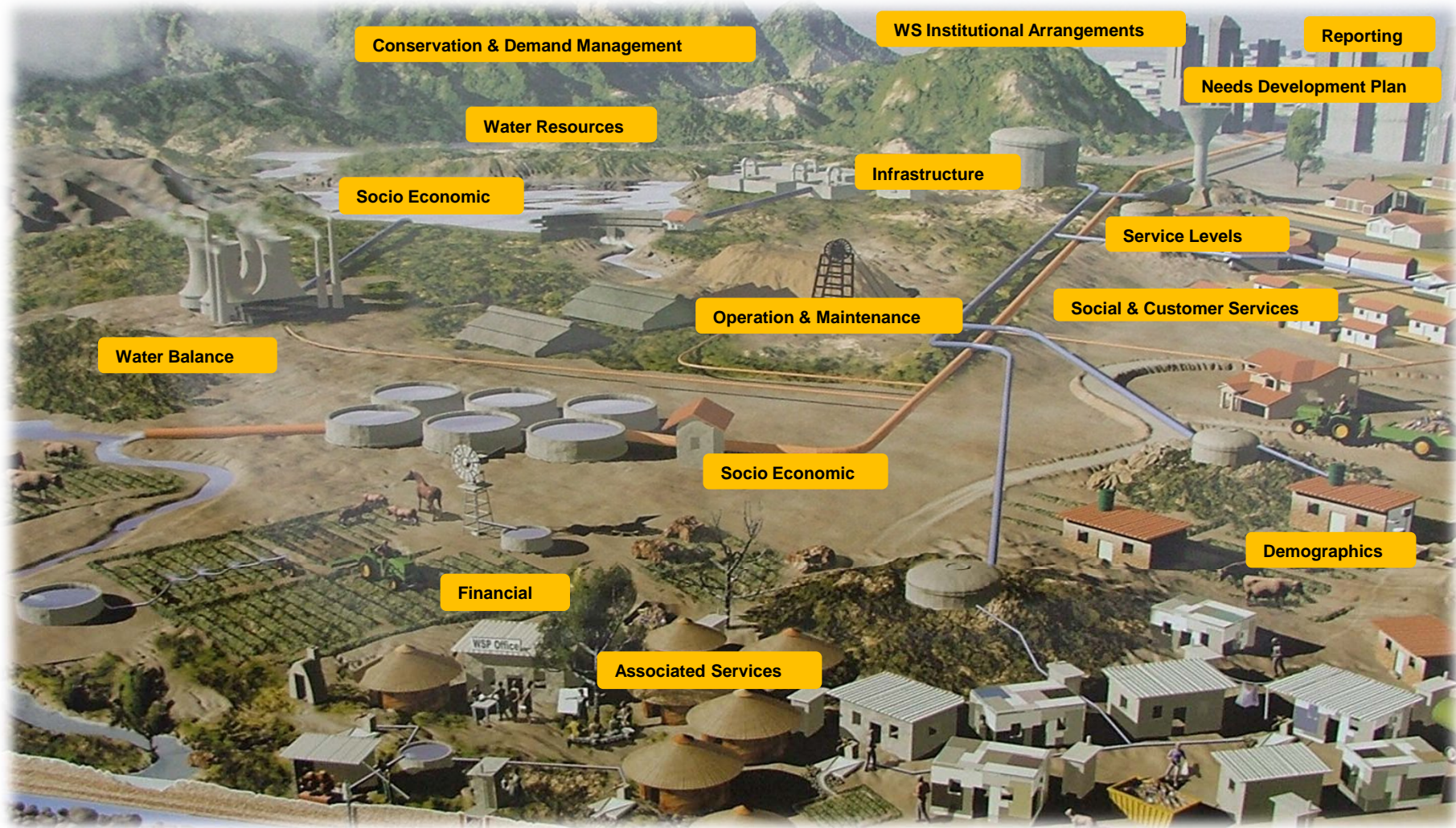


WATER SERVICES DEVELOPMENT PLAN

Dihlabeng Local Municipality 2010

Module 1: Overview and Assessment of the status of information and strategies on a WSA level



Document Date: January 2010

Water Services Business Elements

Topic 1: Administration

Topic 2: Demographics

Topic 3: Service Levels

Topic 4: Socio Economic Background

Topic 5: Water Services Infrastructure

Topic 6: Operation & Maintenance

Topic 7: Associated Services

Topic 8: Conservation & Demand Management

Topic 9: Water Resources

Topic 10: Financial

Topic 11: WS Institutional Arrangements

Topic 12: Social & Customer Services Requirements

Topic 13: Needs Development Plan (Project List)

Topic 14: Reporting

Knowledge

Obtain an in-depth knowledge of overall WSA Water Services situation. Evaluate information. Identify gaps and shortcomings

Information

Obtain detail information to address gaps identified in module 1. Incorporate into module 2

Strategies

Obtain existing Plans & Strategies. Develop strategies identified as gaps in module 1. Incorporate into module 3

Reporting

Report to DWAF
Link reporting requirements to topics in WSDP

Interpretation of Strategies & Reporting

Extract to produce strategic overview

Develop Strategic Interpretation Report on baseline review

Inputs towards WSA Annual Business Plan

Water Services Development Plan Components

Module 1: Comprehensive Overview and Assessment

All related enabling factors per water services topic listed in a tabular format to present an overall status quo of information on a WSA level. The section also references the enabling factors against Compliancy and Needs development plan criteria to provide an overall WSA WSDP assessment
NB: This document should be completed on a pre-compiled electronic format available at www.dwa.gov.za and submitted as a data document, not image

Module 2: Detail information on component level

This module will provide detail information regarding the different topics as well as house all information regarding certain aspects within a topic.

Module 3: Strategic Plans

- Integrated Resource Management Plan
- Groundwater Management Plan
- Water Containing Waste management Programme
- Water Management Information System
- O&M Plan
- Unaccounted for Water Strategy
- Backlog Eradication Strategy
- Cost recovery Strategy
- Water Quality Monitoring Strategy

Module 4: Reporting

- IDP Assessment framework
- DWA Water Services Regulatory Performance Management System (RPMS)
- WSA Checklist

Current Document

WSDP Strategic Oversight

Baseline Review Report

WSDP Strategic Interpretation Report

Outflow to WSA Annual Business Plan



DRIVERS

CLIENT

NEEDS



ASSETS

RESOURCE DEVELOPMENT

INFRASTRUCTURE



WATER BALANCE

MANAGEMENT

EFFECTIVE MANAGEMENT

- Water Use
- Conservation & Demand Management
- Finance
- Social & Customer Services Requirements
- Return Flow
- Sanitation



PLANNING & REPORTING

NEEDS DEVELOPMENT PLAN



WSDP TOPICS

	Page Nr.
1. Administration	2
2. Demographics	4
3. Service Levels	5
4. Socio Economic Background	9



5. Water Service Infrastructures	10
6. Operation&Maintenance	14
7. Associated Services	19
9. Water Resources	27



8. Conservation & Demand Management	21
10. Financial	30
11. Water Services Institutional Arrangements	36
12. Social & Customer Service Requirements	38



13. Needs Development Plan (Program List)	40
14. Reporting	42

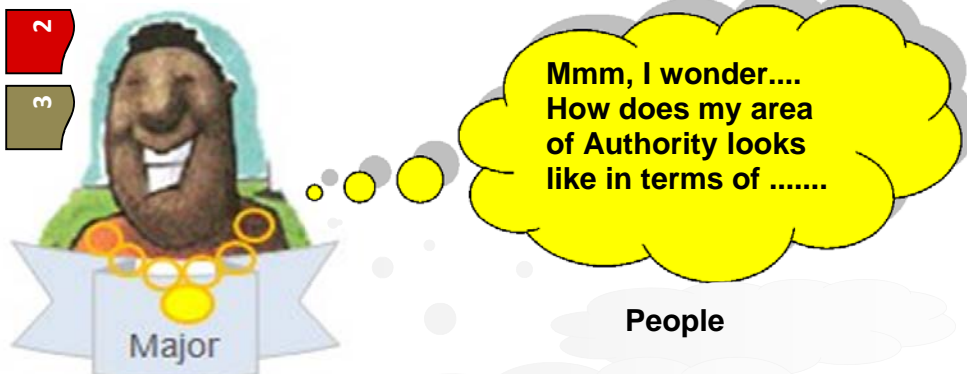


Dihlabeng WSA: Date 2010

What is the WSA's Vision & Mission Statement on Water Services?

Vision & Mission Statement:

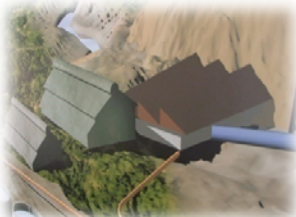
To provide progressively towards the social and economic upliftment of local communities.
To manage economic development and human growth in such a way that the earth's life support systems are not damaged or destroyed.



People

What are their needs regarding water?

Demographics	Total
Number of People	132157
Total Number of Settlements	15
Total Number People Urban	101959
Total Number People Rural	30198
Total Number of Settlements Urban	14
Total Number of Settlements Rural	1



Water Priority	Water Need Description	Settlements	Population	Households
Definition 1	No Water Services	1	1512	401
Definition 2	Inadequate DWAF Infrastructure Need: Extension	1	3020	801
Definition 3	Inadequate DWAF Infrastructure Need: Upgrade	0	0	0
Definition 4	Inadequate DWAF Resource Need	0	0	0
Definition 5	Inadequate DWAF Management Need: O&M	0	0	0
Definition 6	Inadequate DWAF Management Need: Refurbishment	0	0	0
Definition 7	Inadequate Housing Interim	0	0	0
Definition 8	Inadequate Housing Permanent	0	0	0
Adequate:	StandPipe	13	15337	4389
Adequate:	Yard Connection	13	45425	12049
Adequate:	House Connection	13	62314	16527

Dihlabeng WSA: Date 2010

What are their needs regarding sanitation?

Sanitation Priority	Sanitation Need Description	Settlements	Population	Households
Definition 1	No Sanitation	5	11242	2982
Definition 2	Inadequate Infrastructure Need: Upgrade to RDP level;	7	29064	7709
	Bucket Programme	0	0	0
Definition 3	Inadequate: Infrastructure Need: Upgrade	6	17822	4727
Definition 4	Inadequate: Resource Need	0	0	0
Definition 5	Inadequate Management Need: O&M	0	0	0
Definition 6	Inadequate DWAF Management Need: Refurbishment	0	0	0
Definition 7	Inadequate Housing Interim	2	995	264
Definition 8	Inadequate Housing Permanent	2	995	264
Adequate:	None Waterborne	13	62175	16491
Adequate:	Waterborne Low Flush	0	0	0
Adequate:	Septic Tanks	5	2483	658
Adequate:	Waterborne Waste Water Treatment Works	5	45825	12153

2

3

10

What is our water availability status to supply all the needs?

Water sources	Number of sources	Current abstraction (MI/Year)	Licensed abstraction (MI/Year)
Groundwater	8	0.00079	39.055
Surface Water	11		792.136
External Sources (Bulk purchase)			
Water returned to resources			
How much water is re-used (Recycled Water)			

Dihlabeng WSA: Date 2010

5

6

4. Water & Sanitation Infrastructure?

4.1. How does the infrastructure picture look in the WSA? ... distribute



5. How sufficient is our Operation & Maintenance:

5.1. Do we have enough people to perform the function?

5.2. What is the % infrastructure not working due to O&M?

5.3. What is the problem?

Topic 5: Water Infrastructure	Total
Total Number of Schemes	6
Total bulk pipeline km.	63
Total Number reservoirs	26
Total Number pump stations	27
Total Number of Water Treatment Works	6
Total Number of Waste Water Treatment Works	6

The general condition of WWTW	Total
1. Estimated cost to Upgrade	10m
2. Estimated cost to Refurbish	7m
3. Existing Budget	R -

Topic 6: Operation & Maintenance	Total
Total Number of O&M staff	120
Total Number of O&M staff sufficient? Yes/No	no
Total Number of O&M staff required	40
Define the problem	



Dihlabeng WSA: Date 2010

6. Do I pollute my environment and water sources?



Topic 8: Conservation & Demand Management

Statement on pollution and effluent release

To manage economic development and human growth in such a way that the earth's life support systems are not damaged or destroyed.

5

7. 1. What is my total Water Services Budget?
7.2. Is my budget enough to eradicate backlog and maintain the WS infrastructure?
7.3. What is the shortfall?



Topic 9: Financial

Total Water Services Budget:

40m

Is the budget enough to eradicate backlog and maintain the WS infrastructure? (Yes/No)

no

Shortfall:

R 30.00

6

8

9

8. Do we have plans and projects in place to address the water services issues and requirements?

Topic 14: Needs Development Plan

Total Number of projects:

8

Sufficient to eradicate backlog: (Yes/No)

Yes

14

15

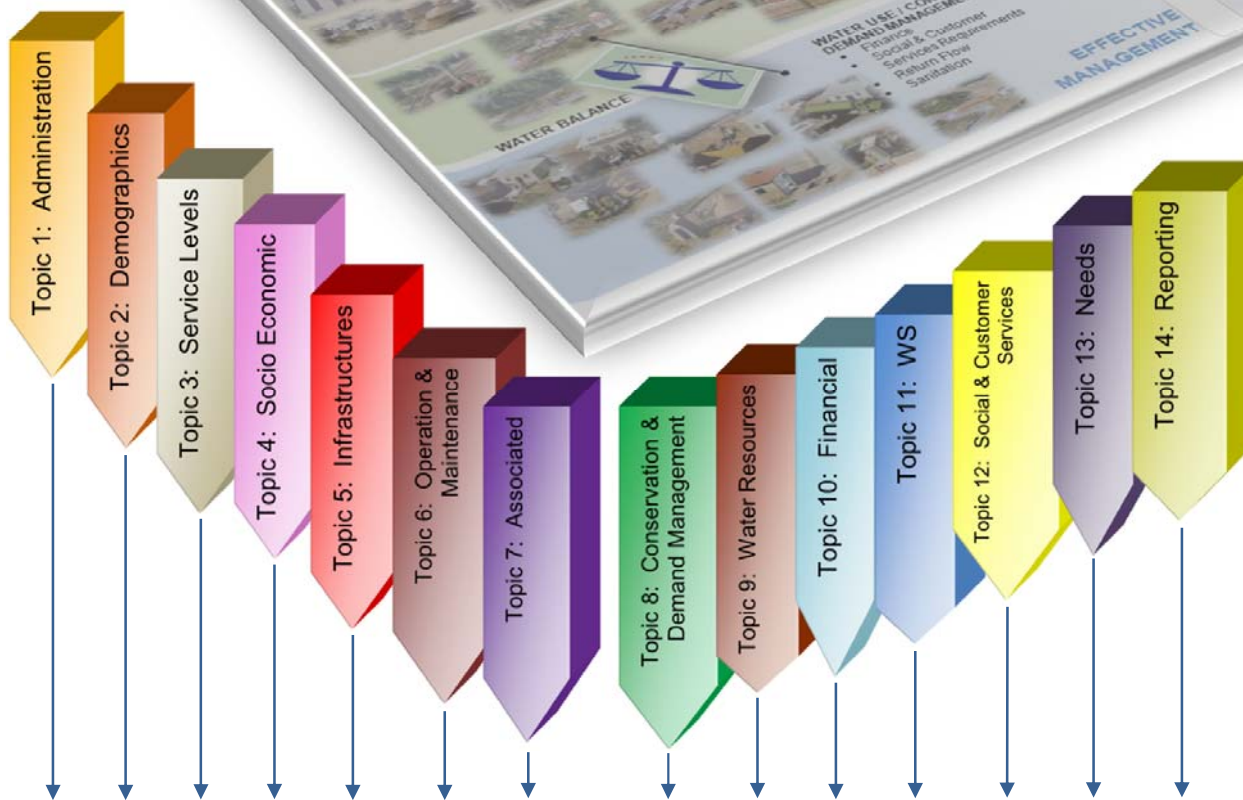
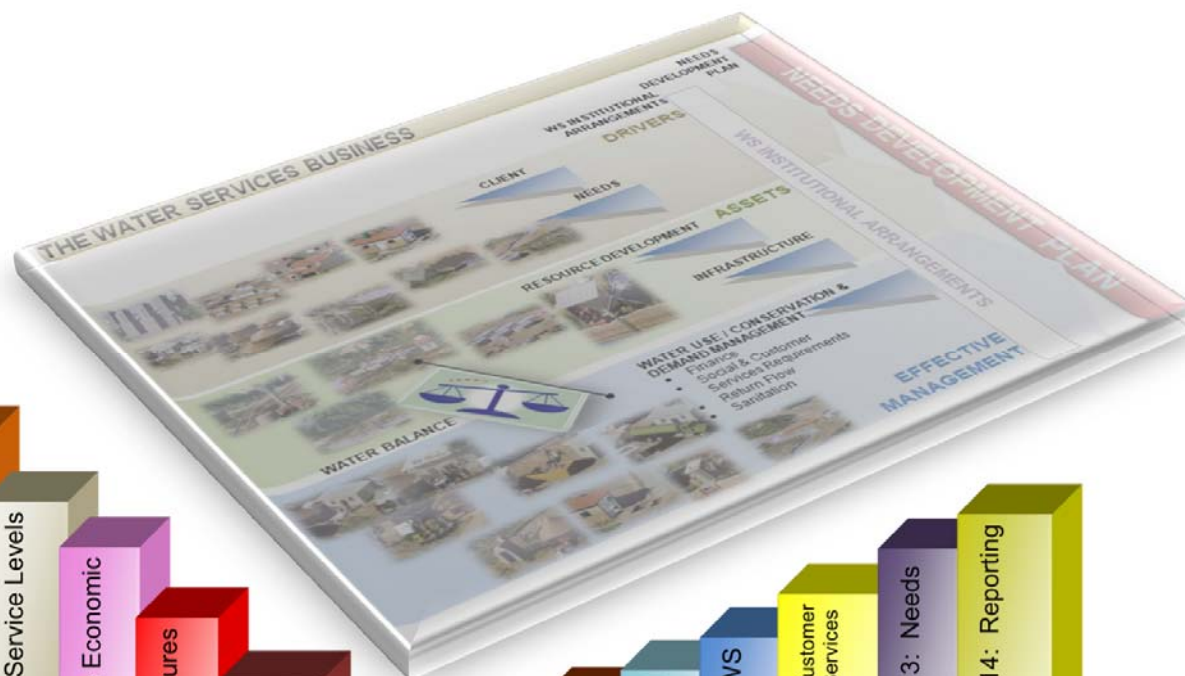


Dihlabeng WSA: Date 2010

An Overall Critical Self Evaluation of the Overall WSDP Knowledge Base

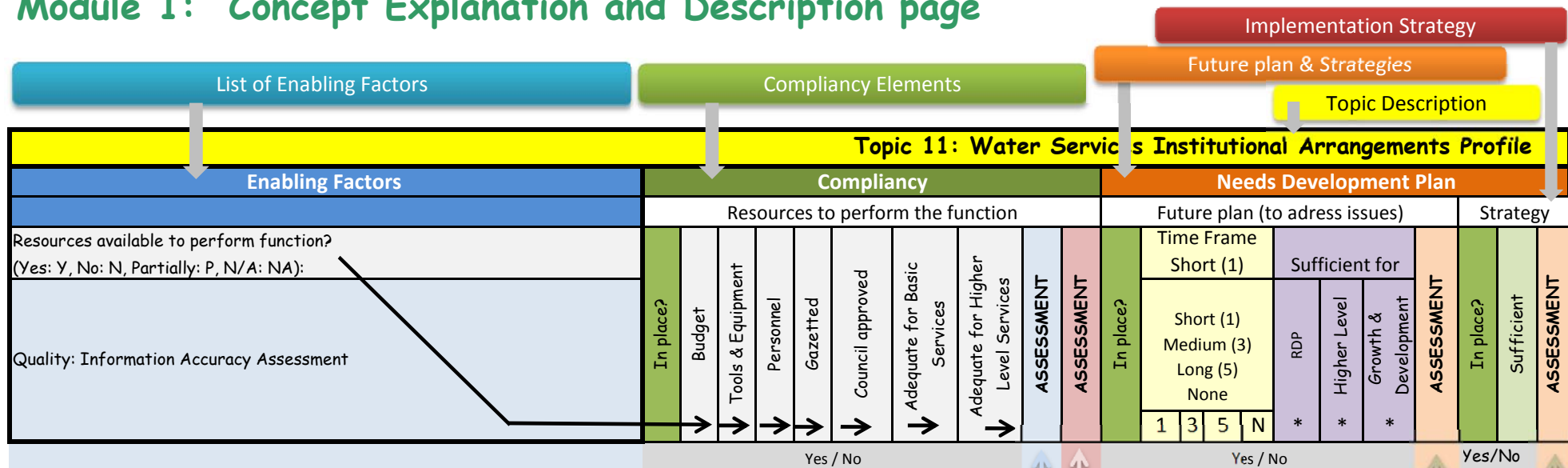
How does my WSA fare regarding knowledge and information of the building pillars of the Water Services Business?

A % summary evaluation derived from the WSDP Document C Module 1 per topic



OVERALL QUANTITY ASSESSMENT	NA	20%	20%	20%	20%	20%	20%		20%	20%	20%	20%	20%	NA	NA
OVERALL QUALITY ASSESSMENT	NA	85%	32%	31%	16%	10%	64%		6%	2%	3%	22%	6%	NA	NA

Module 1: Concept Explanation and Description page



INDEX: List of Topics

1. Administration
2. Demographic
3. Service Levels
4. Socio Economic Background
5. Infrastructure
6. Operation & Maintenance
7. Associated Services
8. Conservation & Demand Management
9. Water Resources
10. Financial
11. Water Services Institutional Arrangements
12. Social & Customer Service Requirements
13. Needs Development Plan
14. Reporting

Each Topic has its own enabling factors that will make the Topic work

Quality: Information Accuracy Assessment

An indication of the accuracy of the information

1. Poor: 10%
2. Below Standard: 30%
3. Average: 50%
4. Fairly Accurate: 60%
5. Very accurate: 80%

Quantity Assessment

Indication of the availability of information to address the issue in relation to the total study area

1. None: 10%
2. Limited 30%
3. Partially: 50%
4. Good coverage: 75%
5. Available for whole area: 90%

Is there a Future Plan in Place?
(Physical document that addresses issues & shortcomings)

Is there an Implementation Strategy in Place?
(Must be a implementation plan of action that reflects in the budget)

General Assessment

- on Scale 1-5**
1. None 0%
 2. Limited 10%
 3. Partial 30%
 4. Good 75%
 5. Excellent 90%

DIHLABENG LOCAL MUNICIPALITY

Status Tracking of WSDP

Status	YEAR 1			YEAR 2			YEAR 3			YEAR 4			YEAR 5			YEAR 6		
	Modules: All/1/2/3 or 4	Reference date	Date submitted	Modules: All/1/2/3 or 4	Reference date	Date submitted	Modules: All/1/2/3 or 4	Reference date	Date submitted	Modules: All/1/2/3 or 4	Reference date	Date submitted	Modules: All/1/2/3 or 4	Reference date	Date submitted	Modules: All/1/2/3 or 4	Reference date	Date submitted
Interim	1	09-Sep	10-Feb															
Draft																		
Adopted																		
Annual Review																		
New																		
Public Viewed																		

Role Players Contact Details

POSITION	PERSON	TEL	FAX	CELL	EMAIL
Municipal Manager	MR. TE. TSOAELI	058 303 5732/2259	058 303 4885	834423976	munmanager@dihlabeng.co.za
Executive Mayor	MR. MTM. MOFOKENG	058 303 5732/2346	058 303 0897	832972442	mayorreception@dihlabeng
Water services Councillor					
WSDP Contact					
IDP Manager	MR. J. POTSAME	0583035732/2300	058 303 4703	842519100	jpotsae@dihlabeng.co.za
PIMSS Senior Planner					
Technical Services	MR. GJ MODISAOTSILE	058 3035732	058 303 4703	826726556	josephm@dihlabeng.co.za
Treasurer					
WSDP Data Custodian					
WSDP Custodian					
Data official					
Acting Mayor					
Acting Municipal Manager					
PMU Manager					
Chief Financial Officer					
Acting Chief Financial Officer	MR. R. PROVIS	583035732	058 303 4703	832808705	raymond@dinotla.com
Mayor					
Housing	DT. NDWANDWE	583031443	058 303 1449	824412233	
Environmental					
Infrastructure					



Topic 1: Administration**Professional Service Provider (PSP)**

Company		PULA strategic resource management			
Name of PSP WSDP Project Manager		Alet McCully / Arno Otterman			
Tel: 012 424 0900	Cell:	Fax: 012 460 1205	E-mail: alet@pula.co.za / arno@pula.co.za		

Inputs

Components	Chapter	Name	Designation	Role	Contact address, and number

Name of PSP WSDP Information Systems Operator		Alet McCully / Riaan Vos / Arno Otterman			
Tel: 012 424 0900	Cell:	Fax: 012 460 1205	E-mail: alet@pula.co.za / riaan@pula.co.za		

*** Sector Integration**

Did this plan consult with other Sector Plans and incorporated their needs

* Sector	* Inter-action	* To which extend was it calculated? (Refer to Page 1: General Assesment on Scale 1-5)
Agri-Culture		
Mining		
Tourism		
Other 1:	IDP	
Other 2:	All Town Draft Strategies	
Other 3:	Water Master Plan	
Other 4:	Stats SA (2007 Household survey)	



SETTLEMENT DEMOGRAPHICS

* 2.1	Total Population	132157		80	90
* 2.2	Total number of households	35055		80	90
* 2.3	Average household size	4		80	90
Quality: Information Accuracy Assessment					
Quantity: Assessment of Information Completeness					
2.4 Settlement Type		Number of settlements	Population per settlements type		
	Farming	1	30198	80	90
Urban	Metropolitan Area	0	0	80	90
	Urban - Formal Town	5	17191	80	90
	Urban - Former Township	7	83765	80	90
	Urban Fringe - Ex-homeland Towns (Formal Towns)	0	0	80	90
	Urban Fringe - Informal Settlements	0	0	80	90
	Squatter Camp - Peri-urban	0	0	80	90
	Squatter Camp - Urban	2	1003	80	90
	Working Towns - Mines, etc.	0	0	80	90
	Service Centres - Mines, Prisons etc.	0	0	80	90
	Urban				
Rural	Rural - Dense Village > 5000	0	0	80	90
	Rural - Small Village <= 5000	0	0	80	90
	Rural Scattered	0	0	80	90
	Rural Scattered Dense	0	0	80	90
	Rural Scattered Low Density	0	0	80	90
	Rural Scattered Very Low Density	0	0	80	90
	Unknown	0	0	80	90
Rural					

Comments

Public Amenities Consumer Types

2.5 Social Services type

	No. of facilities	Area (Ha)	Assessment	Assessment
Police Stations	6		60	75
Magisterial Offices	3		60	75
Schools	210		60	75
Health Facilities	14		60	75
Prisons	1		60	75
Industries	0			
Mining	1		60	75
Resorts and tourism	1		60	75
Agriculture dry land		221740	60	75
Agriculture irrigation		818.6	60	75
Agr. Intensive livestock/grazing				
Agr. Extensive livestock/grazing				
Conservation areas	1	1.26	60	75

OVERALL QUALITY ASSESSMENT

73%

OVERALL QUANTITY ASSESSMENT

85%



Topic 3: Service Levels Profile

3.1 SETTLEMENT WATER SERVICE LEVEL DEFINITIONS

Quality: Information Accuracy Assessment

Quantity: Assessment of Information Completeness

CLASSIFICATION		DEFINITIONS / SETTLEMENTS	Settlements	Population	House holds															
* Definition 1	No Water Services	Whole community never had any formal (municipal) water supply system.	1	1512	401	60	75	No									10	No	No	10
* Definition 2	Inadequate RDP Infrastructure Need: Extension	Communities have grown structurally and there are households that do not have water : TOTAL	1	3020	801	60	75	No									10	No	No	10
		1.Network: new infra																		
		2.Storage: new & adjacent,																		
		3.Local Available Source: New BH, pipe																		
* Definition 3	Inadequate RDP Infrastructure Need: Upgrade	Existing infra not on RDP std.	0	0	0	60	75	No									10	No	No	10
		1.Network: too small pipes,																		
		2.Storage: Add to exist / elevation																		
		3.Source: Infra to increase exist yield																		
* Definition 4	Inadequate RDP Resource Need	Not enough water in system due to Demand Management problems or source development	0	0	0	60	75	No									10	No	No	10
* Definition 5	Inadequate RDP Management Need: O&M	Water can be restored to RDP (where infra ok) by: enough & efficient staff and sufficient funds for O&M (incl. eg: quality at wtw, machines working, etc)	0	0	0	60	75	No									10	No	No	10
* Definition 6	Inadequate RDP Management Need: Refurbishment	Water can be restored to RDP by: Repair/Replace with same existing infra	0	0	0	60	75	No									10	No	No	10
TOTAL RDP NEED			2	4532	1202															
* Definition 7	Inadequate Housing Interim	Squatter (un-orderly layout) to be addressed with temp infra	0	0	0	60	75	No									10	No	No	10
* Definition 8	Inadequate Housing Permanent	Orderly layout where housing scheme is needed. Eg overcrowded yard, existing low cost housing project with need	0	0	0	60	75	No									10	No	No	10
TOTAL HOUSING NEED			0	0	0															
Adequate:	StandPipe	Adequate Infra	13	15337	4389	60	75	No									10	No	No	10
Adequate:	Yard Connection	Adequate Infra	13	45425	12049	60	75	No									10	No	No	10
Adequate:	House Connection	Adequate Infra	13	62314	16527	60	75	No									10	No	No	10
Totals			39	123076	32965	31%	39%										5%			5%

* BASELINE INFORMATION: COMPULSARY FIELDS



Enabling Factors

Needs Development Plan

3.2 SETTLEMENT SANITATION SERVICE LEVEL DEFINITIONS

Quality: Information Accuracy Assessment

Quantity: Assessment of Information Completeness

* CLASSIFICATION		* DEFINITIONS / SETTLEMENTS	Settlements	Population	House holds															
* Definition 1	No Sanitation	Whole community has no never had formal (municipal) water supply system.	5	11242	2982	60	75	No									10	No	No	10
* Definition 2	Inadequate Infrastructure Need: Upgrade to RDP level; Bucket Programme	Communities have sanitation but below the minimum standard. This will normally be a VIP or an ecological toilet, although	7	29064	7709	60	75	No									10	No	No	10
		The bucket programme (same priority level) essentially complete, not competing for resources.	0	0	0	60	75	No									10	No	No	10
* Definition 3	Inadequate: Infrastructure Need: Upgrade	Existing infra not on RDP std.	7	17822	4727	60	75	No									10	No	No	10
		Typically, unimproved pit or chemical toilet.	0	0	0	60	75	No									10	No	No	10
* Definition 4	Inadequate: Resource Need	Existing infra not appropriate	0	0	0	60	75	No									10	No	No	10
		1.Waterborne without bulk or reticulation	0	0	0	60	75	No									10	No	No	10
		2.Inadequate bulk capacity	0	0	0	60	75	No									10	No	No	10
* Definition 5	Inadequate Management Need: O&M	Sanitation can be restored to RDP (where infra ok) by: enough & efficient staff and sufficient funds for O&M (incl. pit-emptying, + appropriate actions for waterborne)	0	0	0	60	75	No									10	No	No	10
* Definition 6	Inadequate Basic Management Need: Refurbishment	Sanitation can be restored to RDP by: Repair/Replace with same existing infra	0	0	0	60	75	No									10	No	No	10
TOTAL BASIC NEED			19	58128	15418	60	75													
* Definition 7	Inadequate Housing Interim	Squatter (un-orderly layout) to be addressed with temp infra and appropriate technology	2	995	264	60	75	No									10	No	No	10
* Definition 8	Inadequate Housing Permanent	Orderly layout where housing scheme is needed. Eg overcrowded yard, existing low cost housing project with need	2	995	264	60	75	No									10	No	No	10
TOTAL HOUSING NEED			4	1990	528	60	75													
* Adequate:	None Waterborne	Adequate Infra	13	62175	16491	60	75	No									10	No	No	10
* Adequate:	Waterborne Low Flush	Adequate Infra	0	0	0	60	75	No									10	No	No	10
* Adequate:	Septic Tanks/Conservancy	Adequate Infra	5	2483	658	60	75	No									10	No	No	10
* Adequate:	Waterborne Waste Water Treatment Works	Adequate Infra	5	45825	12153	60	75	No									10	No	No	10
Totals			23	110483	29302	53%	67%										9%			9%



Topic 3: Service Levels Profile

Enabling Factors

Compliance

Needs Development Plan

3.3 Residential, Public Institutions and Industries

Quality: Information Accuracy Assessment

Quantity: Assessment of Information Completeness

Public amenities consumer types	Type	No. Of consumer units (H H)	No. Of consumer units with access to:																										
			None or inadequate Supply		Communal supply	Controlled volume supply																					Uncontrolled volume supply		
			Water	Sanitation																									
* Residential	Urban	27045	0	3770				No	No	No	No		Yes	Yes	30	30	No									10	No	No	10
	Rural	8010	1202	12176				No	No	No	No		Yes	Yes	30	30	No									10	No	No	10
Police Stations	Urban	6	0	0				No	No	No	No		Yes	Yes	30	30	No									10	No	No	10
	Rural																												
Magistrate offices	Urban	3	0	0				No	No	No	No		Yes	Yes	30	30	No									10	No	No	10
	Rural																												
Businesses	Urban																												
	Rural																												
"Dry" Industries	Urban																												
	Rural																												
Office Buildings	Urban																												
	Rural																												
Prisons	Urban	1	0	0				No	No	No	No		Yes	Yes	30	30	No									10	No	No	10
	Rural																												
Schools	Urban	59	1	3				No	No	No	No		Yes	Yes	30	30	No									10	No	No	10
	Rural	151	59	99				No	No	No	No		Yes	Yes	30	30	No									10	No	No	10
Hospitals	Urban	3	0	0				No	No	No	No		Yes	Yes	30	30	No									10	No	No	10
	Rural																												
Clinics	Urban	10	2	1				No	No	No	No		Yes	Yes	30	30	No									10	No	No	10
	Rural																												
"Wet" Industries	Urban																												
	Rural	0																											
Total	Urban														19%	19%							6%			6%			
	Rural														5%	5%							2%			2%			
TOTAL															12%	12%							4%			4%			

Enabling Factors

Compliance

Needs Development Plan

Status Quo

Future plan (to address issues)

Strategy

OVERALL TOPIC ASSESSMENT

ASSESSMENT

ASSESSMENT

ASSESSMENT

ASSESSMENT

Quality: Information Accuracy Assessment

Quantity: Assessment of Information Completeness

3.1 SETTLEMENT WATER SERVICE LEVEL DEFINITIONS

3.2 SETTLEMENTS SANITATION SERVICE LEVEL DEFINITIONS

3.3 RESIDENTIAL, PUBLIC INSTITUTIONS AND INDUSTRIES

31% 39%

53% 67%

12% 12%

5%

5%

9%

9%

4%

4%

NEEDS DEVELOPMENT PLAN ASSESSMENT

Future plan

6%

Strategy

6%

GENERAL COMMENTS

OVERALL QUANTITY ASSESSMENT

39%

OVERALL QUALITY ASSESSMENT

32%



Socio Economics

Quantity: Assessment of Information Completeness


4.5 Household income


















Topic 5: Water Services Infrastructure Profile

Enabling Factors		Compliance										Needs Development Plan													
General Notes: The Enabling Factors below must be completed for the appropriate component as marked in yellow within the Compliance section. All factors must be assessed and the Needs Development Plan section completed		Status Quo										Future plan (to address issues)					Strategy								
		Groundwater (Boreholes)	Surface water (Abstraction Points)	* WTW	Pumpstations	Bulk pipeline	Reservoirs	Reticulation	Water Borne	* WWTW	ASSESSMENT	ASSESSMENT	In place?	Time Frame				Sufficient for			ASSESSMENT	In place?	Sufficient	ASSESSMENT	
														Short (1)	Medium (3)	Long (5)	None	RDP	Higher Level	Growth & Development					
																									1
Quality: Information Accuracy Assessment																									
Quantity: Assessment of Information Completeness																									
5.1 General Information		(No of Components)																							
* 5.1.1 Is there an Asset Register Monitoring Programme (Yes/No)		No	No	No	No	No	No	No	No	No	No	10	10												
5.1.2 Total number of components / km of pipeline / units		8	11	6	27	63	26			6	30	30													
5.1.3 VIP toilets (HH)		0									60	50													
5.1.4 Other dry sanitation toilets		0									60	50													
5.1.5 Septic tanks		658									80	70													
* 5.1.6 Is there a plan in place to manage untreated effluent (Yes/No)		No									10	30													
* 5.1.7 Is there a disaster management plan (Yes/No)		No	No	No	No	No	No	No	No	No	10	10													
Sub Topic 5.1 Compliance & Needs Development Plans Assessment												58%	25%	0%											
5.2 Operation																									
5.2.1 Previous vandalism or theft (Security Problem) (Yes/No/Not Required: NR)																									
5.2.2 Is the abstraction registered with DWA?		Yes	Yes								50	50	No								10	No	No	10	
5.2.3 % Allocation for domestic consumption (licensed)																									
5.2.4 % Of domestic allocation used (licensed)																									
5.2.5 Is abstraction recorded?		No									10	10	No								10	No	No	10	
5.2.6 Safety inspection performed: Regular		No			No	No	No	No	No	No	10	10	No								10	No	No	10	
5.2.7 Total volume of water treated per year (Ml/annum)																									
5.2.8 Average Operating hours per day				24																					
* 5.2.9 Is there a Water Quality Plan (Yes/No)		No			No					No	10	10	No								10	No	No	10	
* 5.2.10 Sample failure %		30									10	10	No								10	No	No	10	
* 5.2.11 Authorisation Compliance				No						No	10	10	No								10	No	No	10	
5.2.13 Are there any standby pumps available?					24						10	10	No								10	No	No	10	
5.2.14 Is there any leakage control? (Pressure regulation)						YES					10	10	No								10	No	No	10	
5.2.15 How many illegal connections to date?																									
5.2.16 % Illegal connections be formalized?																									
5.2.17 What is the storage factor (x daily use)																									
5.2.18 Total volume of water received and treated per year (Ml)																									
5.2.19 Average Operating hours per day				24						24	10	10													
5.2.20 Discharge volume (Ml/annum)																									
5.2.21 Volume of effluent recycled (Ml/annum)													No								10	No	No	10	
5.2.22 % Effluent controlled													No								10	No	No	10	
5.2.23 Permitted effluent (Ml/annum)													No								10	No	No	10	

Topic 5: Water Services Infrastructure Profile

Enabling Factors	Compliance										Needs Development Plan														
<p>General Notes: The Enabling Factors below must be completed for the appropriate component as marked in yellow within the Compliance section. All factors must be assessed and the Needs Development Plan section completed</p>	Status Quo										Future plan (to address issues)					Strategy									
	Groundwater	Surface water	WTW	Pumpstations	Bulk pipeline	Reservoirs	Reticulation	Water Borne	WWTW	ASSESSMENT	ASSESSMENT	In place?	Time Frame				Sufficient for			ASSESSMENT	In place?	Sufficient	ASSESSMENT		
													Short (1) Medium (3) Long (5) None				RDP	Higher Level	Growth & Development						
													1	3	5	N								*	*
Yes/No										Yes/No															
Quality: Information Accuracy Assessment																									
Quantity: Assessment of Information Completeness																									
5.2.21 Solid waste disposal (m ³ /annum)																									
5.2.22 Sludge produced (m ³ /annum)																									
5.2.23 % Of the time that effluent is chlorinated																									
Sub Topic 5.2 Compliance & Needs Development Plans Assessment											6%	6%						6%							
5.3 Functionality																									
5.3.1 General physical condition (N: Not in operation/P: poor/G: good)	G	G	G	G	G	G	G	G	G	G	10	30	No									10	No	No	10
5.3.2 How well is the infrastructure maintained? (N: None, I: infrequent, D: demand, P: planned)	D	D	I	D	D	D	D	D	D	I	10	30	No									10	No	No	10
5.3.3 Are spare parts readily available? (Yes/No)	No	No	No	No	No	No	No	No	No	No	10	10	No									10	No	No	10
5.3.4 Number of breakages / failures per year	0	6	6	9	2	26	9	15	6		10	10	No									10	No	No	10
5.3.5 Total refurbishment needs %	15	5	30	35	10	10	5	5	45		10	10	No									10	No	No	10
5.3.6 Total refurbishment needs cost (RM)																									
5.3.7 Total replacement needs %																									
5.3.8 Total replacement needs cost (RM)																									
Sub Topic 5.3 Compliance & Needs Development Plans Assessment											6%	11%						6%							
5.4 Institutional Status																									
5.4.1 % whereoff the WSA Self is the Current Owner	100	100	100	100	100	100	100	100	100	100	50	50	No									10	No	No	10
5.4.2 % whereoff the WSA Self is Current Operator	100	100	100	100	100	100	100	100	100	100	50	50	No									10	No	No	10
Sub Topic 5.4 Compliance & Needs Development Plans Assessment											50%	50%						10%							
5.5 Asset Assessment Spectrum																									
5.5.1 % Expected total lifespan: Short (1-3 yrs)	10	0	10	10	10	0	10	10	10		30	30	No									10	No	No	10
5.5.2 % Expected total lifespan: Medium (3 - 10 yrs)	60	40	60	60	40	20	30	30	60		30	30	No									10	No	No	10
5.5.3 % Expected total lifespan: Long (10 - 20 yrs)	30	60	30	30	50	80	60	60	30		30	30	No									10	No	No	10
* 5.5.4 Estimated replacement value (RM)																									
* 5.5.5 Annual operating cost (RM)																									
* 5.5.6 Annual maintenance cost (RM)																									
Sub Topic 5.5 Compliance & Needs Development Plans Assessment											15%	15%						5%							
5.6 Type and Capacity																									
5.6.1 Capacity (m ³)						471					10	10	No									10	No	No	10
5.6.2 Full Supply storage capacity (m ³)																									
5.6.3 Spillway capacity (m ³ /sec)																									

Topic 5: Water Services Infrastructure Profile

Enabling Factors		Compliance										Needs Development Plan														
<p>General Notes: The Enabling Factors below must be completed for the appropriate component as marked in yellow within the Compliance section. All factors must be assessed and the Needs Development Plan section completed</p>		Status Quo										Future plan (to address issues)					Strategy									
		Groundwater	Surface water	WTW	Pumpstations	Bulk pipeline	Reservoirs	Reticulation	Water Borne	WWTW	ASSESSMENT	ASSESSMENT	In place?	Time Frame				Sufficient for			ASSESSMENT	In place?	Sufficient	ASSESSMENT		
														Short (1) Medium (3) Long (5) None				RDP	Higher Level	Growth & Development						
														1	3	5	N								*	*
Quality: Information Accuracy Assessment		Yes/No										Yes/No														
Quantity: Assessment of Information Completeness		Yes/No										Yes/No														
5.6.4 Total annual assured yield (m ³ /annum)												10	10	No									10	No	No	10
5.6.5 Can the (dam) capacity be increased? (Yes/No)			NO									10	10	No									10	No	No	10
5.6.6 Physical water quality: Turbidity			G	G																						
5.6.7 Chemical causing quality problem				NO																						
5.6.8 Design Capacity (Mega L)																										
5.6.9 Discharge rate (Mega L/day)					?																					
5.6.10 Pipe material (Most common)						AC						10	10													
5.6.11 Avg. Diameter (mm)						250						10	10													
5.6.12 Avg. Discharge rate (L/sec)																										
5.6.13 How much capacity is still available for development? (%)																										
5.6.14 Design Capacity - Hydraulic Load (Ml/day)										X																
5.6.15 Design Capacity - Organic Load (COD kg/day)										X																
Sub Topic 5.6 Compliance & Needs Development Plans Assessment												3%	3%						3%		3%					
<p>Comments</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>																										



Topic 5: Water Services Infrastructure Profile

Enabling Factors		Compliance										Needs Development Plan														
<p>General Notes: The Enabling Factors below must be completed for the appropriate component as marked in yellow within the Compliance section. All factors must be assessed and the Needs Development Plan section completed</p>		Status Quo										Future plan (to address issues)														
		Groundwater	Surface water	WTW	Pumpstations	Bulk pipeline	Reservoirs	Reticulation	Water Borne	WWTW	ASSESSMENT	ASSESSMENT	Time Frame				Sufficient for			ASSESSMENT	In place?	Sufficient	ASSESSMENT			
													In place?					RDP	Higher Level					Growth & Development		
														Short (1)	Medium (3)	Long (5)	None									
Quality: Information Accuracy Assessment		Yes/No										Yes/No														
Quantity: Assessment of Information Completeness		Yes/No										Yes/No														
* 5.7 Existing Asset Management Assessment																										
* RESOURCE	Staff																									
	External resources																									
	Materials																									
	Tools & Equipment																									
	Transport																									
	Budget																									
* INFORMATION	Manuals																									
	As-built information																									
	Safety plan																									
* ACTIVITY CONTROL	Procedures																									
	Record keeping																									
	Quality control																									
* MANAGEMENT	Risk management																									
	Reporting																									
* WATER MASTER PLAN That Addresses:																										
Sub Topic 5.7 Compliance & Needs Development Plans Assessment												0%	0%							0%		0%				
OVERALL TOPIC ASSESSMENT																										
5.1 General Information												58%	25%													
5.2 Operation												6%	6%													
5.3 Functionality												6%	11%													
5.4 Institutional Status												50%	50%													
5.5 Asset Assessment Spectrum												15%	15%													
5.6 Type and Capacity												3%	3%													
5.7 Existing Asset Management Assessment												0%	0%													
																						OVERALL QUALITY ASSESSMENT		20%		
																						OVERALL QUANTITY ASSESSMENT		16%		

Enabling Factors

Compliance

Needs Development Plan

										Status Quo				Future plan (to adress issues)								Strategy												
<div>STATUS QUO (S)</div> <div>Z - Zero Compliance</div> <div>1 - Below minimum requirement</div> <div>2 - Minimum basic requirement</div> <div>3 - Above minimum requirement</div> <div>N/R Not Required</div> <div>IMPACT (I)</div> <div>C - Critical</div> <div>M - Mediumal/High</div> <div>L - Low</div> <div>No - No Impact</div>										Staff	External resources	Spare Parts	Tools & Equipment	Budget	ASSESSMENT	ASSESSMENT	In place?	Time Frame				Sufficient for			ASSESSMENT	In place?	Sufficient	ASSESSMENT						
																		Short (1) Medium (3) Long (5) None				RDP	Higher Level	Growth & Development										
Quality: Information Accuracy Assessment										S	I	S	I	S	I	S	I	S	I	1	3	5	N	*	*	*								
Quantity: Assessment of Information Completeness																Yes/No						Yes/No												
* 6.1 IS THERE A OPERATION & MAINTENANCE PLAN? : Yes/No																																		
6.2 WATER SERVICES INFRASTRUCTURE: OPERATIONAL ASSESSMENT																																		
6.2.1 Resources																																		
6.2.1.1 Existing Groundwater Infrastructure										2	M			1	M	1	M	2	C	30	30	No									10	No	No	10
6.2.1.2 Existing Surface water Infrastructure										2	M			1	M	1	M	2	C	30	30	No									10	No	No	10
6.2.1.3 Existing Water Treatement Works Infrastructure										2	M			1	M	1	M	2	C	30	30	No									10	No	No	10
6.2.1.4 Existing Pump Station Infrastructure										2	M			1	M	1	M	2	C	30	30	No									10	No	No	10
6.2.1.5 Existing Bulk Pipeline Infrastructure										2	M			1	M	1	M	2	C	30	30	No									10	No	No	10
6.2.1.6 Existing Tower & Reservoir Infrastructure										2	M			1	M	1	M	2	C	30	30	No									10	No	No	10
6.2.1.7 Existing Reticulation Infrastructure										2	M			1	M	1	M	2	C	30	30	No									10	No	No	10
										Status Quo								Future plan (to adress issues)								Strategy								
										Manuals Available	Asset Register	As-Built Info.	Tools & Equipment	Contingency & Safety Plan	ASSESSMENT	ASSESSMENT	In place?	Time Frame				Sufficient for			ASSESSMENT	In place?	Sufficient	ASSESSMENT						
																		Short (1) Medium (3) Long (5) None				RDP	Higher Level	Growth & Development										
S	I	S	I	S	I	S	I	S	I	1	3	5	N	*	*	*																		
6.2.2 Information																																		
6.2.2.1 Existing Groundwater Infrastructure										2	M	2	M	2	M	2	L	2	M	10	10	No								10	No	No	10	
6.2.2.2 Existing Surface water Infrastructure										2	M	2	M	2	M	2	L	2	M	10	10	No								10	No	No	10	
6.2.2.3 Existing Water Treatement Works Infrastructure										2	M	2	M	2	M	2	L	2	M	10	10	No								10	No	No	10	
6.2.2.4 Existing Pump Station Infrastructure										2	M	2	M	2	M	2	L	2	M	10	10	No								10	No	No	10	
6.2.2.5 Existing Bulk Pipeline Infrastructure										2	M	2	M	2	M	2	L	2	M	10	10	No								10	No	No	10	
6.2.2.6 Existing Tower & Reservoir Infrastructure										2	M	2	M	2	M	2	L	2	M	10	10	No								10	No	No	10	
6.2.2.7 Existing Reticulation Infrastructure										2	M	2	M	2	M	2	L	2	M	10	10	No								10	No	No	10	

Enabling Factors						Compliance								Needs Development Plan																
						Status Quo								Future plan (to address issues)							Strategy									
<p>STATUS QUO (S)</p> <p>Z - Zero Compliance 1 - Below minimum requirement 2 - Minimum basic requirement 3 - Above minimum requirement N/R Not Required</p>						<p>IMPACT (I)</p> <p>C - Critical M - Mediumal/High L - Low No - No Impact</p>						Procedures	Record keeping in place	Quality control procedures establ.	Risk Management	Reporting (data analysis & report generation establ.	ASSESSMENT	ASSESSMENT	In place?	Time Frame				Sufficient for			ASSESSMENT	In place?	Sufficient	ASSESSMENT
						Short (1) Medium (3) Long (5) None				RDP	Higher Level									Growth & Development										
						1	3	5	N	*	*									*										
Quality: Information Accuracy Assessment						S	I	S	I	S	I									S	I	S	I	Yes/No						
Quantity: Assessment of Information Completeness						S	I	S	I	S	I	S	I	S	I	Yes/No			Yes/No											

6.2.3.1 Existing Groundwater Infrastructure	2 M	1 M	2 M	1 M	1 M	10	10	No									10	No	No	10
6.2.3.2 Existing Surface water Infrastructure	2 M	1 M	2 M	1 M	1 M	10	10	No									10	No	No	10
6.2.3.3 Existing Water Treatment Works Infrastructure	2 M	1 M	2 M	1 M	1 M	10	10	No									10	No	No	10
6.2.3.4 Existing Pump Station Infrastructure	2 M	1 M	2 M	1 M	1 M	10	10	No									10	No	No	10
6.2.3.5 Existing Bulk Pipeline Infrastructure	2 M	1 M	2 M	1 M	1 M	10	10	No									10	No	No	10
6.2.3.6 Existing Tower & Reservoir Infrastructure	2 M	1 M	2 M	1 M	1 M	10	10	No									10	No	No	10
6.2.3.7 Existing Reticulation Infrastructure	2 M	1 M	2 M	1 M	1 M	10	10	No									10	No	No	10
Sub Topic 6.2 Compliancy & Needs Development Plans Assessment						17%	17%										10%			10%

[illegible]

Enabling Factors

Compliance

Needs Development Plan

		Status Quo										Strategy																								
<div>STATUS QUO (S)</div> <div>Z - Zero Compliance</div> <div>1 - Below minimum requirement</div> <div>2 - Minimum basic requirement</div> <div>3 - Above minimum requirement</div> <div>N/R Not Required</div>												ASSESSMENT		ASSESSMENT		In place?		Time Frame				Sufficient for			ASSESSMENT		In place?		Sufficient		ASSESSMENT					
										Short (1) Medium (3) Long (5) None								RDP			Higher Level			Growth & Development												
										135N								*			*			*												
Quality: Information Accuracy Assessment		S		I		S		I		S		I		S		I				Yes/No						Yes/No										
Quantity: Assessment of Information Completeness		S		I		S		I		S		I		S		I																				
6.3 WATER SERVICES INFRASTRUCTURE: MAINTENANCE ASSESSMENT																																				
6.3.1 Resources																																				
6.3.1.1 Existing Groundwater Infrastructure		2	M					2	M	2	M	2	C	10	10	No									10	No		10								
6.3.1.2 Existing Surface water Infrastructure		2	M					2	M	2	M	2	C	10	10	No									10	No		10								
6.3.1.3 Existing Water Treatement Works Infrastructure		2	M					2	M	2	M	2	C	10	10	No									10	No		10								
6.3.1.4 Existing Pump Station Infrastructure		2	M					2	M	2	M	2	C	10	10	No									10	No		10								
6.3.1.5 Existing Bulk Pipeline Infrastructure		2	M					2	M	2	M	2	C	10	10	No									10	No		10								
6.3.1.6 Existing Tower & Reservoir Infrastructure		2	M					2	M	2	M	2	C	10	10	No									10	No		10								
6.3.1.7 Existing Reticulation Infrastructure		2	M					2	M	2	M	2	C	10	10	No									10	No		10								
6.3.2 Information																																				
6.3.2.1 Existing Groundwater Infrastructure		1	M					1	M	2	L	2	M	10	10	No									10	No		10								
6.3.2.2 Existing Surface water Infrastructure		1	M					1	M	2	L	2	M	10	10	No									10	No		10								
6.3.2.3 Existing Water Treatement Works Infrastructure		1	M					1	M	2	L	2	M	10	10	No									10	No		10								
6.3.2.4 Existing Pump Station Infrastructure		1	M					1	M	2	L	2	M	10	10	No									10	No		10								
6.3.2.5 Existing Bulk Pipeline Infrastructure		1	M					1	M	2	L	2	M	10	10	No									10	No		10								
6.3.2.6 Existing Tower & Reservoir Infrastructure		1	M					1	M	2	L	2	M	10	10	No									10	No		10								
6.3.2.7 Existing Reticulation Infrastructure		1	M					1	M	2	L	2	M	10	10	No									10	No		10								



Topic 6: Operation & Maintenance

Enabling Factors				Compliance						Needs Development Plan															
				Status Quo						Future plan (to adress issues)								Strategy							
STATUS QUO (S)		IMPACT (I)		Manuals Available	Asset Register	As-Built Info.	Tools & Equipment	Contingency & Safety Plan	ASSESSMENT	ASSESSMENT	In place?	Time Frame				Sufficient for			ASSESSMENT	In place?	Sufficient	ASSESSMENT			
Z - Zero Compliance		C - Critical										Short (1) Medium (3) Long (5) None				RDP	Higher Level	Growth & Development							
1 - Below minimum requirement		M - Medium/High										1	3	5	N	*	*	*							
2 - Minimum basic requirement		L - Low																							
3 - Above minimum requirement		No - No Impact																							
N/R Not Required																									
Quality: Information Accuracy Assessment				S	I	S	I	S	I	S	I	Yes/No				Yes/No									
Quantity: Assessment of Information Completeness				S	I	S	I	S	I	S	I	Yes/No				Yes/No									
6.3.3. Activity Control & Management																									
6.3.3.1 Existing Groundwater Infrastructure				1	M	1	M	2	M	1	M	1	M	10	30	No						10	No		10
6.3.3.2 Existing Surface water Infrastructure				1	M	1	M	2	M	1	M	1	M	10	30	No						10	No		10
6.3.3.3 Existing Water Treatment Works Infrastructure				1	M	1	M	2	M	1	M	1	M	10	30	No						10	No		10
6.3.3.4 Existing Pump Station Infrastructure				1	M	1	M	2	M	1	M	1	M	10	30	No						10	No		10
6.3.3.5 Existing Bulk Pipeline Infrastructure				1	M	1	M	2	M	1	M	1	M	10	30	No						10	No		10
6.3.3.6 Existing Tower & Reservoir Infrastructure				1	M	1	M	2	M	1	M	1	M	10	30	No						10	No		10
6.3.3.7 Existing Reticulation Infrastructure				1	M	1	M	2	M	1	M	1	M	10	30	No						10	No		10
Sub Topic 6.3 Compliancy & Needs Development Plans Assessment												10%	17%							10%			10%		
* 6.4 Water Supply Quality		In Place Yes / No																							
6.4.1 Water Safety Plan																									
6.4.2 Process Control																									
6.4.3 Monitoring Programme		Yes								30	30														
6.4.4 Sample Analysis (Credible) 1																									
2																									
3																									
4																									
5																									
6.4.5 Failure Response Management		No								10	10														
Sub Topic 6.4 Compliancy & Needs Development Plans Assessment												6%	6%							0%			0%		

Enabling Factors

Compliance

Needs Development Plan

Status Quo

Future plan (to address issues)

Strategy

OVERALL TOPIC ASSESSMENT

Quality: Information Accuracy Assessment

Quantity: Assessment of Information Completeness

6.1 OPERATION & MAINTENANCE PLAN

6.2 WATER SERVICES INFRASTRUCTURE: OPERATIONAL ASSESSMENT

6.3 WATER SERVICES INFRASTRUCTURE: MAINTENANCE ASSESSMENT

6.4 WATER SUPPLY QUALITY

0%	0%
17%	17%
10%	17%
6%	6%

NEEDS DEVELOPMENT PLAN ASSESSMENT

Future plan	7%
Strategy	7%

OVERALL QUALITY ASSESSMENT 8%

OVERALL QUANTITY ASSESSMENT 10%



7



* BASELINE INFORMATION: COMPULSARY FIELDS 19

Enabling Factors

Status Quo

Needs Development Plan

Future plan (to adress issues)

Strategy

**OVERALL TOPIC ASSESSMENT**

ASSESSMENT

ASSESSMENT

ASSESSMENT

ASSESSMENT

Quality: Information Accuracy Assessment

Quantity: Assessment of Information Completeness

7.1 WATER SERVICES

7.2 SANITATION SERVICES

64% 60%

64% 60%

NEEDS DEVELOPMENT PLAN ASSESSMENT

Future plan

8%

Strategy

8%

OVERALL QUANTITY ASSESSMENT

60%

OVERALL QUALITY ASSESSMENT

64%



Topic 8: Conservation & Demand Management

8

Enabling Factors		Status Quo								Needs Development Plan													
		Budget	Tools & Equipment	Personnel	Gazetted	Urban Settlements		Rural Settlements		ASSESSMENT	ASSESSMENT	Future plan (to adress issues)				Strategy							
												In place?	Time Frame				Sufficient for			ASSESSMENT	In place?	Sufficient	ASSESSMENT
													Short (1) Medium (3) Long (5) None	RDP	Higher Level	Growth & Development							
																	1	3	5				
Quality: Information Accuracy Assessment																							
Quantity: Assessment of Information Completeness																							
8.1 Water Resource Management Interventions		Resources available to perform function? (Yes: Y, No: N, Partially: P,				Occuring? / Yes/No / Number Of						Yes/No				Yes/No							
* 8.1.1 Reducing unaccounted water and water inefficiencies		Yes/No																					
(MI/annum)																							
8.1.1.1 Reticulation leaks	N	N	N	N	No	No	No	No	10	30	No							10	No	No	10		
8.1.1.2 Illegal connections	N	N	N	N	No	No	No	No	10	30	No							10	No	No	10		
8.1.1.3 Un-metered connections	N	N	N	N	No	No	No	No	10	30	No							10	No	No	10		
8.1.1.4 Internal plumbing leaks	N	N	N	N	No	No	No	No	10	30	No							10	No	No	10		
* 8.1.2 Reducing high pressures for residential consumers		Yes/No																					
Number of consumer units with water supply pressure of:																							
8.1.2.1 <300kPa	N	N	N	N	No	No																	
8.1.2.2 300 -600kPa	N	N	N	N	No	No																	
8.1.2.3 600 -900kPa	N	N	N	N	No	No	No	No	10	30	No							10	No	No	10		
8.1.2.4 >900kPa (>9Bar)	N	N	N	N	No	No	No	No	10	30	No							10	No	No	10		
* 8.1.3 Leak and meter repair programmes		Yes/No																					
Consumer units targeted by:																							
8.1.3.1 Leak repair assistance programme	N	N	N	N	No	No	No	No	10	30	No							10	No	No	10		
8.1.3.2 Retro-fitting of water efficient toilets	N	N	N	N	No	No	No	No	10	30	No							10	No	No	10		
8.1.3.3 Meter repair programme	N	N	N	N	No	No	No	No	10	30	No							10	No	No	10		
8.1.4 Consumer/end-use demand management: Public Information & Education		%																					
Programmes																							
8.1.4.1 % Schools targeted by education programmes																							
8.1.4.2 % Consumers targeted by public information programmes																							



Topic 8: Conservation & Demand Management

Enabling Factors		Status Quo		Needs Development Plan														
				Future plan (to address issues)								Strategy						
		Number of Settlements	Artificial Recharge	Rain Water Harvesting	ASSESSMENT	ASSESSMENT	In place?	Time Frame				Sufficient for			ASSESSMENT	In place?	Sufficient	ASSESSMENT
								Short (1) Medium (3) Long (5)				RDP	Higher Level	Growth & Development				
								1	3	5	N							
								Number of	%	%	Yes/No							
8.1.5 Conjunctive use of surface - and groundwater																		
Ground Water					50	50												
Surface Water					50	50												
Conjunctive Use					50	50												
8.1.6 Working for Water																		
Provide List of Projects:		Is there a Working for Water Programme in Place: Yes/No																
1)																		
2)																		
3)																		
4)																		
5)																		
6)																		
7)																		
Sub Topic 8.1 Compliancy & Needs Development Plans Assessment					6%	17%						7%			7%			
Comments																		

Topic 8: Conservation & Demand Management

Enabling Factors

System Name:

* If required this page can be completed in multi copies to list and describe more than one system

Compliance

Needs Development Plan

Status Quo

Future plan (to adress issues)

Strategy

Time Frame

Sufficient for

Short (1)
Medium (3)
Long (5)
None

Higher Level
Growth &
Development

In place?

Sufficient

ASSESSME

1	3	5	
---	---	---	--

*

*

*



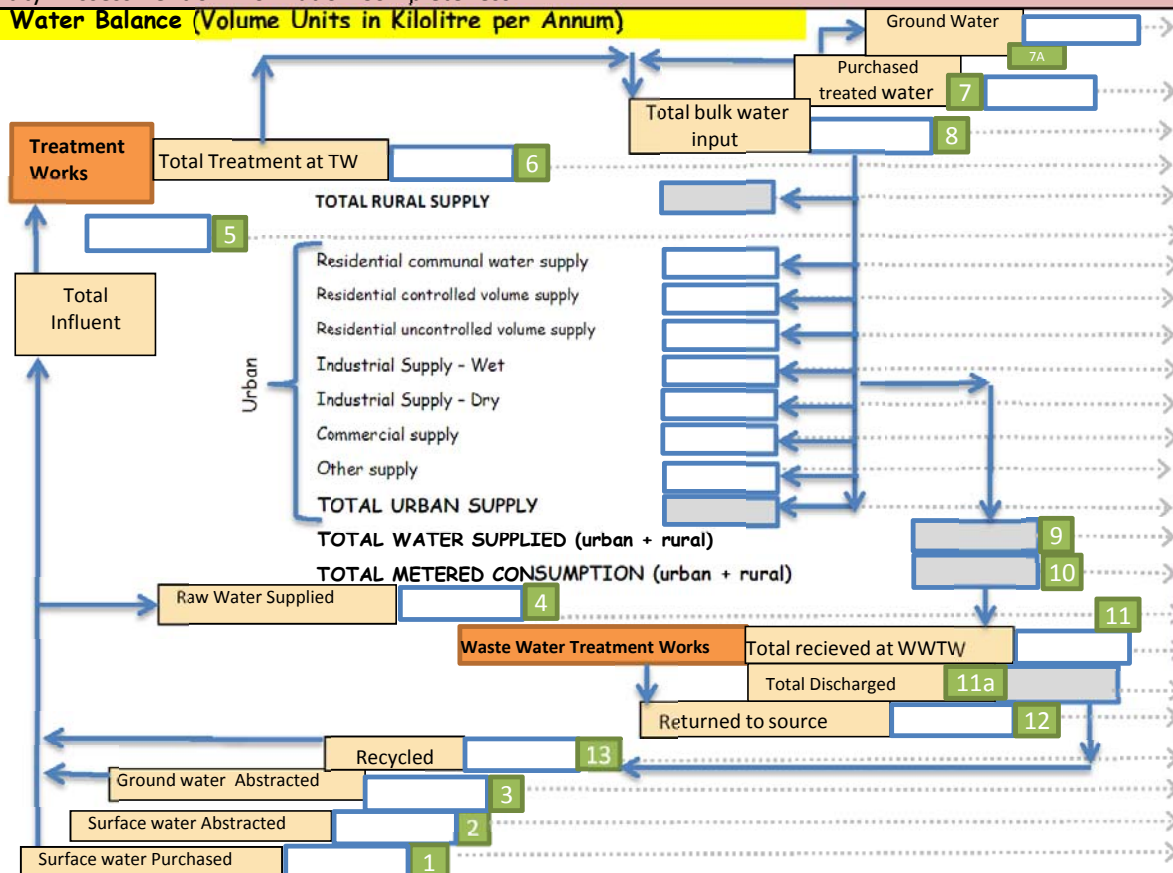
Yes/No

Yes/No

Quality: Information Accuracy Assessment	
Q1: Accuracy of Information	Q2: Completeness of Information
Q3: Consistency of Information	Q4: Timeliness of Information
Q5: Reliability of Information	Q6: Relevance of Information
Q7: Clarity of Information	Q8: Understandability of Information
Q9: Credibility of Information	Q10: Appropriateness of Information

Quantity: Assessment of Information Completeness

8.2 Water Balance (Volume Units in Kilolitre per Annum)



Comments

Sub Topic 8.2 Compliancy & Needs Development Plans Assessment

0%

0%

0%

0%

Enabling Factors		Compliance		Needs Development Plan																																					
General Notes: The compliance and needs development plan section must be completed for each aspect listed		Status Quo		Future plan (to address issues)							Strategy																														
			ASSESSMENT	ASSESSMENT	In place?	Time Frame				Sufficient for			ASSESSMENT	In place?	Sufficient	ASSESSMENT																									
						Short (1) Medium (3) Long (5) None				Basic	Higher Level	Growth & Development																													
						1	3	5	N	*	*	*																													
Quality: Information Accuracy Assessment				Yes/No							Yes/No																														
Quantity: Assessment of Information Completeness																																									
8.3 Water Losses																																									
8.3.1 Raw Water Bulk Loss																																									
<table border="0"> <tr> <td>Received Treated Water</td> <td>-</td> <td>Total Raw Water Bulk Received</td> <td>-</td> <td>Raw Water Supplied</td> <td>=</td> <td></td> </tr> <tr> <td>5</td> <td>-</td> <td>(1+2+3+13)</td> <td>-</td> <td>-4</td> <td>=</td> <td></td> </tr> <tr> <td><input type="text"/></td> <td>-</td> <td><input type="text"/></td> <td>-</td> <td><input type="text"/></td> <td>=</td> <td><input type="text"/></td> </tr> </table>														Received Treated Water	-	Total Raw Water Bulk Received	-	Raw Water Supplied	=		5	-	(1+2+3+13)	-	-4	=		<input type="text"/>	-	<input type="text"/>	-	<input type="text"/>	=	<input type="text"/>							
Received Treated Water	-	Total Raw Water Bulk Received	-	Raw Water Supplied	=																																				
5	-	(1+2+3+13)	-	-4	=																																				
<input type="text"/>	-	<input type="text"/>	-	<input type="text"/>	=	<input type="text"/>																																			
8.3.2 - Treated Water Loss :Bulk																																									
<table border="0"> <tr> <td>Total Supplied</td> <td>-</td> <td colspan="5">(Total Treated at Treated Water + Purchased Treated Water) + Ground Water Not Treated</td> </tr> <tr> <td>8</td> <td>-</td> <td colspan="5">(6+7+7a)</td> </tr> <tr> <td><input type="text"/></td> <td>-</td> <td colspan="5"><input type="text"/></td> </tr> <tr> <td colspan="2"></td> <td colspan="5">= <input type="text"/></td> </tr> </table>														Total Supplied	-	(Total Treated at Treated Water + Purchased Treated Water) + Ground Water Not Treated					8	-	(6+7+7a)					<input type="text"/>	-	<input type="text"/>							= <input type="text"/>				
Total Supplied	-	(Total Treated at Treated Water + Purchased Treated Water) + Ground Water Not Treated																																							
8	-	(6+7+7a)																																							
<input type="text"/>	-	<input type="text"/>																																							
		= <input type="text"/>																																							
8.3.3 - Treated Water Loss :Internal																																									
<table border="0"> <tr> <td>Metered Consumption</td> <td>-</td> <td colspan="5">Total Bulk Water Input</td> </tr> <tr> <td>10</td> <td>-</td> <td colspan="5">8</td> </tr> <tr> <td><input type="text"/></td> <td>-</td> <td colspan="5"><input type="text"/></td> </tr> <tr> <td colspan="2"></td> <td colspan="5">= <input type="text"/></td> </tr> </table>														Metered Consumption	-	Total Bulk Water Input					10	-	8					<input type="text"/>	-	<input type="text"/>							= <input type="text"/>				
Metered Consumption	-	Total Bulk Water Input																																							
10	-	8																																							
<input type="text"/>	-	<input type="text"/>																																							
		= <input type="text"/>																																							
8.3.4 - Water Balance																																									
<table border="0"> <tr> <td>Bulk Input</td> <td>-</td> <td>Usage</td> <td>+</td> <td>Discharged</td> <td>Value</td> </tr> <tr> <td>(1+2+3+7)-4</td> <td>-</td> <td>[(8-11)</td> <td>+</td> <td>11a]</td> <td></td> </tr> <tr> <td><input type="text"/></td> <td>-</td> <td><input type="text"/></td> <td>+</td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </table>														Bulk Input	-	Usage	+	Discharged	Value	(1+2+3+7)-4	-	[(8-11)	+	11a]		<input type="text"/>	-	<input type="text"/>	+	<input type="text"/>	<input type="text"/>										
Bulk Input	-	Usage	+	Discharged	Value																																				
(1+2+3+7)-4	-	[(8-11)	+	11a]																																					
<input type="text"/>	-	<input type="text"/>	+	<input type="text"/>	<input type="text"/>																																				
Sub Topic 8.3 Compliance & Needs Development Plans Assessment																																									
				0%	0%						0%	0%																													

Topic 8: Conservation & Demand Management

8

Enabling Factors

Compliance

Needs Development Plan

Status Quo

Future plan (to address issues)

Strategy

OVERALL TOPIC ASSESSMENT

Quality: Information Accuracy Assessment

Quantity: Assessment of Information Completeness

8.1 WATER RESOURCE MANAGEMENT INTERVENTIONS

8.2 WATER BALANCE

8.3 WATER LOSSES

Comments

6%	17%
0%	0%
0%	0%

NEEDS DEVELOPMENT PLAN ASSESSMENT

Future plan

0%

Strategy

0%

OVERALL QUALITY ASSESSMENT

2%

OVERALL QUANTITY ASSESSMENT

6%



* 9.1 Sources & Volumes

* Water sources	* Number of sources	* Current abstraction (MI/Year)	* Licensed abstraction (MI/Year)	* Community water supply		ASSESSMENT	ASSESSMENT
				Rural	Urban		
Groundwater	8					10	10
Surface Water	11					10	10
External Sources (Bulk purchase)							
Water returned to source							
Sub Topic 9.1 Compliancy & Needs Development Plans Assessment						5%	5%



Enabling Factors														Needs Development Plan													
				Status Quo										Future plan (to address issues)						Strategy							
				%	Budget	Tools & Equipment	Personnel	Gazetted	Council approved	Adequate for Basic Services	Adequate for Higher Level Services	ASSESSMENT	ASSESSMENT	In place?	Time Frame				Sufficient for			ASSESSMENT	In place?	Sufficient	ASSESSMENT		
															Short (1) Medium (3) Long (5) None				RDP	Higher Level	Growth & Development						
															1	3	5	N								*	*
Resources available to perform function? (Yes: Y, No: N, Partially: P, N/A: NA):															Yes/No											Yes/No	
Quality: Information Accuracy Assessment																											
Quantity: Assessment of Information Completeness																											

9.2 Monitoring

Is there a Monitoring Plan in Place: Yes/No

9.2.1 % of water abstracted monitored: Surface water																																		
9.2.2 % of water abstracted monitored: Groundwater																																		
9.2.3 % of water abstracted monitored: External Sources (Bulk purchase)																																		
9.2.4 Water levels (1: daily, 2: weekly, 3: monthly, 4: annually, 5: never)																																		
9.2.5 Water quality? (1: daily, 2: weekly, 3: monthly, 4: annually, 5: never)	3	Yes	Yes	Yes					10	30	No								10	No	No	10												
9.2.6 Borehole yields? (1: daily, 2: weekly, 3: monthly, 4: annually, 5: never)	5	Yes	Yes	Yes		Yes	Yes	Yes	10	30	No								10	No	No	10												
9.2.7 Borehole abstraction? (1: daily, 2: weekly, 3: monthly, 4: annually, 5: never)	3	Yes	Yes	Yes		Yes	Yes	Yes	10	30	No								10	No	No	10												
* 9.2.8 % Compliance to drinking water acceptable limits																																		
* 9.2.9 % Compliance to effluent release acceptable limits																																		
9.2.10 Number of monitoring points for drinking water sufficient																																		
9.2.11 Number of monitoring points for effluent release sufficient																																		
Sub Topic 9.2 Compliancy & Needs Development Plans Assessment									3%	8%											3%		3%											



Topic 9: Water Resources

Enabling Factors															Needs Development Plan											
										Status Quo					Future plan (to adress issues)								Strategy			
															In place?	Time Frame				Sufficient for			ASSESSMENT	In place?	Sufficient	ASSESSMENT
										Short (1) Medium (3) Long (5) None				RDP *		Higher Level *	Growth & Development *									
										1	3	5	N													
										Yes/No								Yes/No								
										ASSESSMENT	ASSESSMENT															

Enabling Factors

Compliance

Needs Development Plan

9.5 Wet Industries

Resources to perform the function

Future plan (to address issues)

Strategy

Billing	Yes / No	ASSESSMENT	ASSESSMENT	In place?	Time Frame				Sufficient for			ASSESSMENT	In place?	Sufficient	ASSESSMENT				
Budget					Short (1) Medium (3) Long (5) None				RDP	Higher Level	Growth & Development								
Tools & Equipment																			
Personnel																			
Gazetted					1	3	5	N	*	*	*								
Council approved					Yes / No											Yes/No			
Adequate for Basic Services																			
Adequate for Higher Level Services																			
ASSESSMENT					Yes / No														
ASSESSMENT					Yes / No														
In place?	Yes / No										Yes/No								
Sufficient																			
ASSESSMENT																			

Quality: Information Accuracy Assessment

Quantity: Assessment of Information Completeness

9.4 Wet Industries: Urban and Rural

Monthly Water use (kl) (Total)	Pressure (kPa) (Total)	Water Quality				Reliability (inadequate adequate, special treatment) (Total)															
		Raw (Total)	Filtered (Total)	Chlorinated (Total)	Fully Treated (Total)																

9.5 'Raw' Water Consumers: Urban and Rural

Monthly Water use (kl) (Total)	Pressure (kPa) (Total)	Water Quality			Tariff (R/kl) Total	Reliability (inadequate adequate, special treatment) (Total)															
		Raw (Total)	Filtered (Total)	Other (Total)																	

9.6 Industrial Consumer Units for Sanitation: Urban and Rural

Number of service units (Total)	Monthly waste water (kl) (Total)	Monthly Sewage (kl) (Total)	Washing leaches through storm water system (kl) (Total)	Total Treated effluent (kl) (Total)	Total Untreated effluent (kl) (Total)	Total Return flow to river system (kl)															

9.7 Industries and their permitted effluent releases

Permitted volume (MI/yr) (Total)	Permitted effluent quality (units) (Total)																				

Topic 9: Water Resources

Enabling Factors

Compliance

Needs Development Plan

Resources to perform the function

Future plan (to address issues)

Strategy

OVERALL TOPIC ASSESSMENT

ASSESSMENT

ASSESSMENT

ASSESSMENT

ASSESSMENT

Quality: Information Accuracy Assessment

Quantity: Assessment of Information Completeness

9.1 Sources & Volumes

9.2 Monitoring

9.3 Water Quality

9.4 Wet Industries: Urban & Rural

9.5 'Raw' Water Consumers: Urban & Rural

9.6 Industrial Consumer Units for Sanitation: Urban & Rural

9.7 Industries and their permitted effluent releases

5%	5%
3%	8%
5%	###
0%	0%
0%	0%
0%	0%
0%	0%

Comments

NEEDS DEVELOPMENT PLAN ASSESSMENT

Future plan 1%

Strategy 1%

OVERALL QUANTITY ASSESSMENT 4%

OVERALL QUALITY ASSESSMENT 2%




10.1 Capital Funds

		Housing	Trading Services						Grand Total
			Enviromental Protection	Waste Management (solid waste)	Waste water management	Road transport	Water	Electricity	
10.1.1 Income		R'000	R'000	R'000	R'000	R'000	R'000	R'000	R'000
10.1.1.1	Subsidies From:								
10.1.1.2	National Government								
10.1.1.3	Provincial Government								
10.1.1.4	Local Government								
10.1.1.5	Other								
10.1.1.6	Grants (including the equitable share) from:								
10.1.1.7	National Government								
10.1.1.8	Provincial Government								
10.1.1.9	Local Government								
10.1.1.10	Other								
10.1.1.11	Spent conditional grants								
10.1.1.12	Other Income								
10.1.1.13	Deficit								
	Total Income								

Comments



Topic 10: Financial Profile

Enabling Factors		Status Quo				Needs Development Plan															
						Future plan (to address issues)							Strategy								
		Water		Sanitation		ASSESSMENT	ASSESSMENT	In place?	Time Frame				Sufficient for			ASSESSMENT	In place?	Sufficient	ASSESSMENT		
									Short (1) Medium (3) Long (5) None				RDP	Higher Level	Growth & Development						
									1	3	5	N	*	*	*						
Quality: Information Accuracy Assessment		Urban	Rural	Urban	Rural	Yes/No													Yes/No		
Quantity: Assessment of Information Completeness																					
* 10.1.2 Capital Expenditure		% Allocation spend in last financial year																			
		Values to be given in R million																			
Internal infrastructure																					
Connector infrastructure																					
Bulk infrastructure: 																					
VIP toilets & other dry sanitation system																					
Other																					
Average debtor days																					
Total cost																					
Sub Topic 10.1 Compliancy & Needs Development Plans Assessment						0%	0%									0%			0%		
10.2 Operating Costs		Is there a Operating Costs Plan in Place for: Yes/No																			
Purchase of bulk water																					
Production costs (raw water if from own sources)																					
Production costs (treatment system)																					
Operating costs (including overheads, salaries and wages, maintenance and depreciation)																					
Finance charges																					
Other																					
Total cost																					
Sub Topic 10.2 Compliancy & Needs Development Plans Assessment						0%	0%									0%			0%		

10	DIHLABENG LOCAL MUNICIPALITY											WSDP: 2010																					
												Topic 10: Financial Profile																					
	Enabling Factors			Status Quo								Needs Development Plan																					
	Fixed Tariff		Volume Charges								ASSESSMENT		ASSESSMENT		Future plan (to adress issues)				Strategy														
Block Definition 1 Kl per month from: 0 to 6			Block Definition 2 Kl per month from: 6 to		Block Definition 3 Kl per month from: to		Block Definition 4 Kl per month from: to		Time Frame						Sufficient for		In place?		Sufficient														
Current		Previous		Current		Previous		Current		Previous		Current		Previous		In place?		Sufficient		ASSESSMENT													
Quality: Information Accuracy Assessment		Quantity: Assessment of Information Completeness		Yes/No								In place?		ASSESSMENT		In place?		Sufficient		ASSESSMENT													
				Yes/No								In place?		ASSESSMENT		In place?		Sufficient		ASSESSMENT													
10.3 Tariff & Charges																						Is there a Tariff & Charges Plan in Place for: Yes											
10.3.1 Water																						Values to be given in R / kl for Current and Previous Financial Years											
Residential: Communal Water Supply																																	
Controlled Volume Supply		0	0	0	0	4.94	4.57	6.56	6.07	7.39	6.84	60	75	No						10	No	No	10										
Uncontrolled Volume Supply																																	
Industrial		58.03	53.73	5.4	5	5.4	5					60	75	No						10	No	No	10										
Commercial		58.03	53.73	5.4	5	5.4	5					60	75	No						10	No	No	10										
Other																																	
10.3.2 Sanitation																						Values to be given in R / kl for Current and Previous Financial Years											
Residential: On site dry																																	
On site wet (conservancy tanks etc.)																																	
Water borne reticulated sanitation																																	
Industrial																																	
Commercial																																	
Other																																	
10.3.3 Other																						Values to be given in R / kl for Current and Previous Financial Years											
Water																																	
Sanitation																																	
Sub Topic 10.3 Compliancy & Needs Development Plans Assessment												12%	15%							2%			2%										
10.4 Free Basic Services																						Is there a Free Basic Services Policy in Place: Yes/No											
10.4.1 Subsidy Targeting Approach																						% of HH Targeted: Water				% of HH Targeted: Sanitation							
Rising block tariff																																	
Service level targeting																																	
* Credits to Water account																																	
* Credits to Sanitation account																																	
* Number of units requering free basic services (Water)																																	
* Number of units requering free basic services (Sanitation)																																	
Number of units with access to free basic services																																	
Sub Topic 10.4 Compliancy & Needs Development Plans Assessment												0%	0%							0%			0%										

Topic 10: Financial Profile

Enabling Factors				Status Quo						Needs Development Plan												
				Status Quo						Future plan (to address issues)						Strategy						
WATER				Urban		Rural		TOTAL	ASSESSMENT	ASSESSMENT	In place?	Time Frame				Sufficient for		ASSESSMENT	In place?	Sufficient	ASSESSMENT	
												Short (1) Medium (3) Long (5) None				RDP	Higher Level					Growth & Development
Resources available to perform function? (Yes: Y, No: N, Partially: P, N/A: NA):																						
Quality: Information Accuracy Assessment																						
Quantity: Assessment of Information Completeness				Current	Previous	Current	Previous															

10.5 Metering, Billing, Income & Sales

* 10.5.1 Commercial: Water

* Units Supplied																				
* Metered %																				
* Billed %																				
* Not Metered																				
* Income Received %																				
* Non Payment %																				

10.5.2 Industrial: Water

Units Supplied																				
Metered %																				
Billed %																				
Not Metered																				
Income Received %																				
Non Payment %																				

Enabling Factors		Status Quo				Needs Development Plan														
						Future plan (to address issues)							Strategy							
SANITATION		Urban		Rural		TOTAL	ASSESSMENT	ASSESSMENT	In place?	Time Frame				Sufficient for			ASSESSMENT	In place?	Sufficient	ASSESSMENT
		Fixed Charge	Value Charge	Fixed Charge	Value Charge					Short (1) Medium (3) Long (5) None	RDP	Higher Level	Growth & Development	Yes/No						
Resources available to perform function? (Yes: Y, No: N, Partially: P, N/A: NA):																				
Quality: Information Accuracy Assessment																				
Quantity: Assessment of Information Completeness																				
* 10.5.3 Commercial: Sanitation																				
* Units Supplied																				
* Metered %																				
* Billed %																				
* Not Metered																				
* Income Received %																				
* Non Payment %																				
10.5.4 Industrial: Sanitation																				
Units Supplied																				
Metered %																				
Billed %																				
Not Metered																				
Income Received %																				
Non Payment %																				
Sub Topic 10.5 Compliancy & Needs Development Plans Assessment								0%	0%							0%		0%		

Topic 10: Financial Profile

10

Enabling Factors		Needs Development Plan			
Status Quo		Future plan (to adress issues)		Strategy	
<u>OVERALL TOPIC ASSESSMENT</u>		ASSESSMENT	ASSESSMENT	ASSESSMENT	ASSESSMENT
Quality: Information Accuracy Assessment					
Quantity: Assessment of Information Completeness					
10.1 INCOME		0%	0%		
10.2 CAPITAL FUNDS		0%	0%		
10.3 TARIFF & CHARGES		12%	15%		
10.4 FREE BASIC SERVICES		0%	0%		
10.5 METERING, BILLING, INCOME & SALES		0%	0%		
Comments					
		NEEDS DEVELOPMENT PLAN ASSESSMENT			
		Future plan	0%		
		Strategy		0%	
		OVERALL QUALITY ASSESSMENT			
		OVERALL QUANTITY ASSESSMENT			



DIHLABENG LOCAL MUNICIPALITY										WSDP: 2010																		
Topic 11: Water Services Institutional Arrangements Profile																												
Enabling Factors		Status Quo								Needs Development Plan																		
WSA functions and outputs		Budget	Tools & Equipment	Personnel	Gazetted	Council approved	Adequate for Basic Services	Adequate for Higher Level Services	ASSESSMENT	ASSESSMENT	Future plan (to address issues)							Strategy										
Resources available to perform function? (Yes: Y, No: N, Partially: P, N/A: NA):											Time Frame		Sufficient for			ASSESSMENT	In place?	Sufficient	ASSESSMENT									
Quality: Information Accuracy Assessment											Short (1) Medium (3) Long (5) None		ROP	* Higher Level	* Growth & Development													
Quantity: Assessment of Information Completeness		Yes/No									1	3	5	N	*	*	*	Yes/No	Yes/No									
11.1 General Functions																												
* 11.1.1 Policy development																												
* Indigent Policy		Yes	Yes	Yes		Yes	Yes	Yes	50	30	Yes		Yes	Yes	Yes	Yes	10	Yes	No	10								
* Free basic water policy (including equitable share)		Yes	Yes	Yes		Yes	Yes	Yes	50	30	Yes		Yes	Yes	Yes	Yes	10	Yes	No	10								
* Free basic sanitation policy		Yes	Yes	Yes		Yes	Yes	Yes	50	30	Yes		Yes	Yes	Yes	Yes	10	Yes	No	10								
* Procurement policy		Yes	Yes	Yes		Yes	Yes	Yes	50	30	Yes		Yes	Yes	Yes	Yes	10	Yes	No	10								
* Credit control & debt collection policy		Yes	Yes	Yes		Yes	Yes	Yes	50	30	Yes		Yes	Yes	Yes	Yes	10	Yes	No	10								
* 11.1.2 Regulation and tariffs																												
* Water Services bylaws with conditions as required by the Water Services Act		No	No	No	No	No	No	No	10	10	No							10	No	No	10							
* Mechanisms to ensure compliance with bylaws		No	No	No	No	No	No	No	10	10	No							10	No	No	10							
* Tariff structure		No	Yes	Yes	Yes	Yes	Yes	Yes	10	10	No	No						10	Yes	No	10							
* Tariffs promulgated		No	Yes	Yes	Yes	Yes	Yes	Yes	10	10	No	No						10	Yes	No	10							
11.1.3 Infrastructure development (projects)																												
Mechanisms to undertake project feasibility studies		NA	NA	NA		NA	NA	NA	50	50	Yes		Yes					10	NA	No	10							
Criteria for prioritising projects		Yes	Yes	Yes		NA	NA	NA	50	50	Yes		Yes					10	Yes	No	10							
Mechanisms to assess and approve project business plans		Yes	Yes	Yes		NA	NA	NA	50	50	Yes		Yes					10	Yes	No	10							
Mechanisms for selecting, contracting, managing and monitoring implementing agent		Yes	Yes	Yes		NA	NA	NA	50	50	Yes		Yes					10	Yes	No	10							
Mechanisms to monitor project implementation		Yes	Yes	Yes		NA	NA	NA	50	50	Yes		Yes					10	Yes	No	10							
11.1.4 Water conservation and demand management																												
Water conservation and demand management strategy		No	No	No	No	No	No	No	10	10	No							10	No	No	10							
11.1.5 Performance management and monitoring																												
Performance management systems		Yes	Yes	Yes		Yes	Yes	Yes	10	30	Yes		Yes	Yes	Yes	Yes	10	Yes	No	10								
Water service monitoring and evaluation (M&E) system		Yes	Yes	Yes		Yes	Yes	Yes	10	30	Yes		Yes	Yes	Yes	Yes	10	Yes	No	10								
11.1.6 WSDP																												
WSDP information system		Yes	Yes	Yes		Yes	Yes	Yes	10	30	No							10	No	No	10							
Mechanisms to monitor and report on WSDP implementation		Yes	Yes	Yes		Yes	Yes	Yes	10	30	No							10	No	No	10							
Mechanisms for stakeholder participation		Yes	Yes	Yes		Yes	Yes	Yes	10	30	No							10	No	No	10							
Sub Topic 11.1 Compliance & Needs Development Plans Assessment										30%	30%						10%			10%								
SALGA										* BASELINE INFORMATION: COMPULSORY FIELDS										30								

* BASELINE INFORMATION: COMPULSARY FIELDS 36

DIHLABENG LOCAL MUNICIPALITY											WSDP: 2010																				
Topic 11: Water Services Institutional Arrangements Profile																					11										
Enabling Factors											Needs Development Plan																				
WSA functions and outputs											Status Quo										Future plan (to adress issues)					Strategy					
Resources available to perform function? (Yes: Y, No: N, Partially: P, N/A: NA):											Budget	Tools & Equipment	Personnel	Gazetted	Council approved	Adequate for Basic Services	Adequate for Higher Level Services	ASSESSMENT	ASSESSMENT	In place?	Time Frame				Sufficient for			ASSESSMENT	In place?	Sufficient	ASSESSMENT
																					Short (1) Medium (3) Long (5) None				ROP	Higher Level	Growth & development				
																					1	3	5	N							
Quality: Information Accuracy Assessment											Yes/No										Yes/No					Yes/No					
Quantity: Assessment of Information Completeness											Yes/No										Yes/No					Yes/No					
11.2 Bulk & Retail Functions																															
11.2.1 Water Service providers (retail water)											Yes	Yes	Yes	Yes	Yes	Yes	50	50	Yes			Yes	Yes	Yes	Yes	10	Yes	No	10		
11.2.2 Water service providers (sanitation)											Yes	Yes	Yes	Yes	Yes	Yes	50	50	Yes			Yes	Yes	Yes	Yes	10	Yes	No	10		
11.2.3 Water service providers (bulk water)											Yes	Yes	Yes	Yes	Yes	Yes	50	50	Yes			Yes	Yes	Yes	Yes	10	Yes	No	10		
11.2.4 Water service providers (bulk sanitation)											Yes	Yes	Yes	Yes	Yes	Yes	50	50	Yes			Yes	Yes	Yes	Yes	10	Yes	No	10		
11.2.5 Support service agents (water)											No	No	No	No	No	No	10	10	No								10	Yes	No	10	
11.2.6 Sanitation Promotion agent											No	No	No	No	No	No	10	10	No								10	Yes	No	10	
11.2.7 Support service contracts											No	No	No	No	No	No	10	10	No								10	Yes	No	10	
* 11.2.8 Water service institutions											NO	NO	NO	Yes	Yes	Yes	50	50	Yes			No	No	No	10	Yes	No	10			
* 11.2.9 WSP staffing levels: water											Yes	Yes	Yes	Yes	Yes	Yes	50	50	Yes				No	No	No	10	Yes	No	10		
* 11.2.10 WSP staffing levels: sanitation											Yes	Yes	Yes	Yes	Yes	Yes	50	50	Yes			No	No	No	10	Yes	No	10			
11.2.11 WSP training programme																															
Sub Topic 11.2 Compliance & Needs Development Plans Assessment																															
* 11.3 Water Services Providers											* Name					* Contract type					* % Consumers served by the WSP										
* 11.3.1 Retail water											DIHLABENG					Service					100										
* 11.3.2 Sanitation											DIHLABENG					Service					100										
Sub Topic 11.3 Compliance & Needs Development Plans Assessment																															
11.1 GENERAL FUNCTIONS																															
11.2 BULK & RETAIL FUNCTIONS																															
11.3 WATER SERVICES PROVIDERS																															

* BASELINE INFORMATION: COMPULSARY FIELDS 37

Enabling Factors		Status Quo								Needs Development Plan														
Population values to be given for Current and Previous Financial Years		Budget	Physical Resources	Personnel	Gazetted	Urban Households				Rural Households				ASSESSMENT	ASSESSMENT	In place?	Future plan (to address issues)				Strategy			
						Current		Previous		Current		Previous					Time Frame		Sufficient for		ASSESSMENT	In place?	Sufficient	ASSESSMENT
						1		3		5		N					RDP	Higher Level	Growth & Development					
						Short (1)		Medium (3)		Long (5)		None												
Resources available to perform function? (Yes: Y, No: N, Partially: P, N/A: NA):		Yes/No		Number Of		Yes/No		Yes/No		Yes/No		Yes/No		Yes/No		Yes/No		Yes/No		Yes/No				
Quality: Information Accuracy Assessment																								
Quantity: Assessment of Information Completeness																								
Customer Services																								
12.1 Resources																								
12.1.1 Quality of service for water: urban	Yes	Yes	Yes			10	30	Yes									10	Yes	No	10				
12.1.2 Quality of service for water: rural	Yes	Yes	Yes			10	30	Yes									10	Yes	No	10				
12.1.3 Attending to complaints for water: urban	Yes	Yes	Yes			10	30	Yes									10	Yes	No	10				
12.1.4 Attending to complaints for water: rural	Yes	Yes	Yes			10	30	Yes									10	Yes	No	10				
12.1.5 Attending to complaints for sanitation: urban	Yes	Yes	Yes			10	30	Yes									10	Yes	No	10				
12.1.6 Attending to complaints for sanitation: rural	Yes	Yes	Yes			10	30	Yes									10	Yes	No	10				
12.1.7 Education for basic water services																								
12.1.8 Pollution awareness	No	No	No			10	30	No									10	Yes	No	10				
Sub Topic 12.1 Compliancy & Needs Development Plans Assessment						9%	26%							9%			9%							
12.2 Quality of Service for Water																								
12.2.1 Total number of consumers					27045			80	75	Yes	Yes					Yes	Yes	Yes	10	No	No	10		
* 12.2.2 Number of consumers experiencing greater than 7 days interruption in supply per year					0	0	0	0																
12.2.3 Number of consumers receiving flow rate of less than 10 litres per minute					0	0	0	0																
12.2.4 Water quality: no chlorination																								
12.2.5 Water quality: chlorinated																								
12.2.6 Water quality: full treatment																								
Sub Topic 12.2 Compliancy & Needs Development Plans Assessment						13%	13%							2%			2%							
12.3 No. Consumer units to be targeted by:																								
12.3.1 Water education (including water conservation)																								
12.3.2 Sanitation promotion and health and hygiene awareness																								
Sub Topic 12.3 Compliancy & Needs Development Plans Assessment						0%	0%							0%			0%							

Enabling Factors								Needs Development Plan										
Resources available to perform function? (Yes: Y, No: N, Partially: P, N/A: NA):	Status Quo								Future plan (to adress issues)						Strategy			
	Urban Households		Rural Households		ASSESSMENT	ASSESSMENT	In place?	Time Frame				Sufficient for			ASSESSMENT	In place?	Sufficient	ASSESSMENT
								Short (1) Medium (3) Long (5) None				RDP	Higher Level	Growth & Development				
Current		Previous		Number Of:				Yes/No						Yes/No				
Quality: Information Accuracy Assessment																		
Quantity: Assessment of Information Completeness																		

Households values to be given for Current and Previous Financial Years

12.4.1 Total number of consumer units							Yes	Yes					No	No	No	10	Yes	No	10
12.4.2 Number of complaints of quality of service per year divided by total number of consumer units																			
12.4.3 Number of queries/complaints received within the year																			
* 12.4.4 % Queries responded to within 24 hours																			
12.4.5 Number of major or visible leaks reported within the year																			
12.4.6 % Major or visible leaks repaired within 48 hours after being reported																			
Sub Topic 12.4 Compliancy & Needs Development Plans Assessment						0%	0%									2%			2%

Households values to be given for Current and Previous Financial Years

12.5.1	Total number of consumer units							Yes	Yes				No	No	No	10	Yes	No	10
12.5.2	Number of complaints of quality of service per year divided by total number of consumer units																		
12.5.3	Number of queries/complaints received within the year																		
12.5.4	% Queries responded to within 24 hours																		
12.5.5	Number of blockages reported within the year																		
12.5.6	% Blockages repaired within 48 hours after being reported																		
Sub Topic 12.5 Compliance & Needs Development Plans Assessment						0%	0%									2%		2%	

Households values to be given for Current and Previous Financial Years

[illegible]

NEEDS DEVELOPMENT PLAN ASSESSMENT

12.1 RESOURCES	9%	26%	
12.2 QUALITY OF SERVICE FOR WATER	13%	13%	
12.3 NO. CONSUMER UNITS TO BE TARGETED BY	0%	0%	
12.4 ATTENDING TO COMPLAINTS FOR WATER	0%	0%	
12.5 ATTENDING TO COMPLAINTS FOR SANITATION: DISCHARGE TO TREATMENT WORKS	0%	0%	Future plan 3%
12.6 ATTENDING TO COMPLAINTS FOR SANITATION: PIT/TANK PUMPING	0%	0%	Strategy 3%
OVERALL QUALITY ASSESSMENT			4%
OVERALL QUANTITY ASSESSMENT			6%

* LIST OF PROJECTS

[illegible]

[illegible]

WSA Name

LOCAL MUNICIPALITY

Reporting and assessment documents status

Documents	Previous Reference date	Included in current WSDP version module 4	Current WSDP version module 4 submission date
1 IDP checklist framework version 2.4:			
1.1 Water Resource IDP Assessment			
1.2 Water Services IDP Assessment			
2 Drinking Water Quality:			
2.1 Sample Sites and number of results submitted			
2.2 Microbiological Compliance			
2.3 Chemical Compliance (Health)			
2.4 Chemical Compliance (Non-Health)			
2.5 Operational Compliance			
3 KPIs for Sector Master Plan inputs: Water Resource Profile			
4 WSA Checklist April 2005			
Options In process Not existing Completed Completed & Submitted Needs review Completed		Options Not included Included (not complete) Included (complete)	