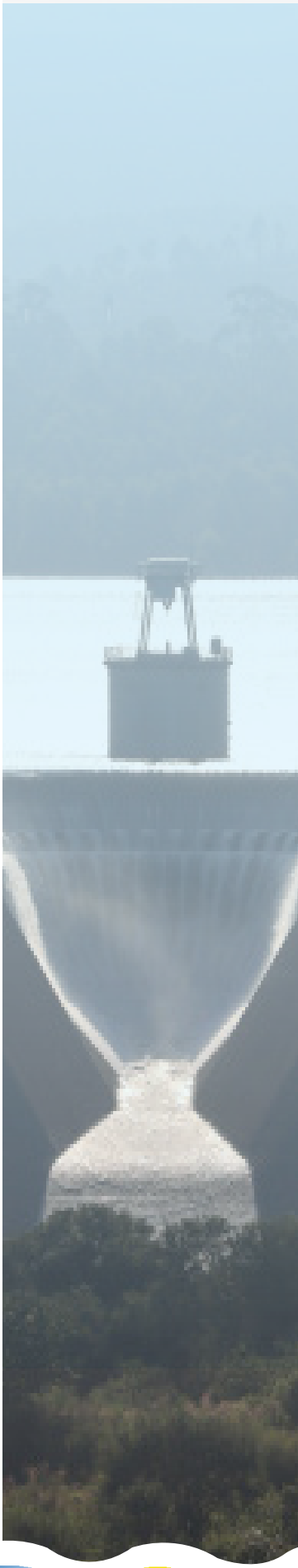
INKOMATI-USUTHU

CATCHMENT MANAGEMENT AGENCY

ANNUAL 2025/26 TARIFF CONSULTATIONS

CROCODILE & LOWER KOMATI



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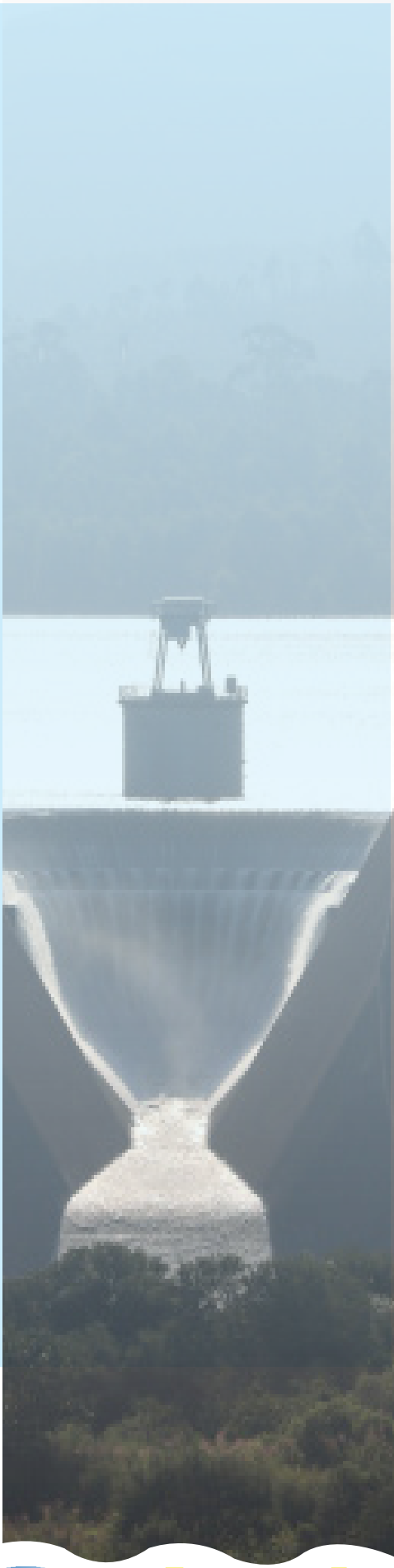
CATCHMENT MANAGEMENT AGENCY

ANNUAL 2025/26 TARIFF CONSULTATIONS PROGRAMME

STAKEHOLDER CONSULTATION MEETING ON ANNUAL PERFORMANCE PLAN AND TARIFF SETTING FOR 2025/26 FINANCIAL YEAR

Date: 28 June 2024 | Time: 10:00 to 14:00
Venue: Crocodile & Lower Komati Sub-Catchment
Programme Facilitator: Mr. Hasani Makhubele
(Manager: Institutions & Participation)

Item:	Proposed Time:	Person Responsible:
Registration and Morning Tea	9:30 – 10:00	All
Opening and Welcome	10:00 – 10:10	Governing Board Deputy Chairperson: Adv G Khoza
Annual Performance Plans for 2024/25	10:30 – 11:00	Acting Chief Executive Officer : Adv MB Shabangu
Water Resources Status	11:00 – 11:30	Executive Water Resource Management: Dr N Mhlanga-Ndlovu
2025/26 Proposed Budget and Tariff	11:30 – 12:00	Chief Financial Officer : Ms S Mabunda
Infrastructure Tariffs for 2025/26	12:00 – 12:30	Department of Water and Sanitation
Question and Answers	12:30 – 13:00	All
Closure	13:00 – 13:10	Governing Board Deputy Chairperson: Adv G Khoza
Lunch	13:15 -14:15	All



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CATCHMENT MANAGEMENT AGENCY

2024/25 Annual Performance Plan

TABLE OF CONTENT

PURPOSE

The purpose of this presentation is to outline the Annual Performance Plan of the IUCMA for 2024/25 financial year.

INTRODUCTION

- Established in terms of Section 78 of the National Water Act 36 of 1998.
- The IUCMA is mandated for the protection, conservation, development, use and management of the water resources at a localised area.
- Stakeholders are considered a critical component of decentralised water resources management.
- Water use activities include: Strategic use (ESKOM and Sasol Secunda Complex), Transboundary International Obligations (Mozambique and eSwatini), Agriculture, Forestry, Mining, Industry, Domestic, and Tourism.
- Funded through Parliamentary Grant and Water Resources Charges.
- The IUCMA is Schedule 3A Public Entity.

LEGISLATIVE FRAMEWORK

ACTIVITIES	NWA REFERENCE
Prevention and remedying of water resource pollution	Section 19
Management of emergency water resource pollution incidents	Section 20
To surrender an entitlement to facilitate a particular water use	Section 25(2& 3).
Assessment of the water uses as part of the Water Use Authorization Application	Section 21
The verification of Existing Lawful Water Use (ELU)	Sections 33 and 35
Administrative function of the water use authorization for recommendation to the Responsible Authority	Section 40
Compulsory licence application	Section 43
Late applications	Section 44
Proposed Allocation Schedules and Preliminary Allocation Schedules	Section 45 and 46
Publishing a Gazette stating that a preliminary allocation schedule has become a final allocation schedule	Section 47
Procedure for earlier renewal or amendment of licence condition	Section 52
Rectification of contraventions	Section 53
Implementation of the inherent functions: -Investigate and advise all interested persons regarding management of water resources -Development of CMS -Co-ordinate related activities of water users and water management institutions in area- -Promote community participation in water resource management	Section 80
Appointment of authorised persons to implement inspections related to compliance with the NWA which include inspections related to compliance with the NWA	Section 125
Make information available to the public regarding floods, droughts, failing or potential failing water works, levels of flood water, risks posed by water quality to life, health or property and any other matters	Section 145

VISION, MISSION AND VALUES

VISION
Sufficient, equitable and quality water resources for all in the Inkomati-Usuthu Water Management Area

MISSION
To efficiently manage water resources by empowering our stakeholders in our quest to contribute towards transformation by promoting equal access to water and protecting the environment

VALUES
Integrity
Batho Pele (Stakeholders Orientation)
Accountability
Diversity
Transparency

OUTCOMES

Outcome 1:
Increased Stakeholder Satisfaction

Outcome 2:
Enhance Human Resources and Business Capabilities

Outcome 3:
Maintain Finacial Sustatinability

Outcome 4:
Protection and Use of Water Resources

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THE OPTIMAL OPERATING MODEL DESIGN

The optimal operating model design was adopted, to streamline efficiency on the reporting of performance and implementation of the IUCMA strategy, as follows:

- Programme 1: Administration and Governance, aligned to Outcome 1, 2, and 3.
- Programme 2: Water Resource Management, aligned to Outcome 4

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OUTCOMES ALIGNMENT

Outcome	Programme	Output	Output indicators
Programme 1: **Outcome 1:** Increased stakeholder satisfaction **Outcome 2:** Enhanced human resources and business capabilities **Outcome 3:** Maintain financial sustainability	**Programme1:** Administration	**Programme 1:** 1. Annual stakeholder management programme implemented 2. Compliance with corporate governance regulatory prescripts 3. Targeted procurement supporting SMMEs 4. Financial recovery and cost control	**Programme 1:** 1. Percentage implementation of stakeholder engagement plan 2. Percentage compliance with Approved Audit plan 3. Percentage implementation of Strategic risk register action plans 4. Percentage implementation Risk Management plan. 5. Percentage implementation of Human Resource Plan 6. Percentage implementation of the ICT strategy 7. Percentage targeted procurement supporting SMMEs 8. Working ratio (cashbased) 9. Debt collectionratio: Healthy book 10. Debt collectionratio: Toxic book 11. Debtors' payment period in days (Healthy book and waste discharge charge) 12. Current Ratio
Programme 2: **Outcome 4:** Protection and use of water resources	**Programme 2:** Water Resource Management	**Programme 2:** 1. Water resource classes and Resource Quality Objectives determined and monitored 2. Water resource institutions established 3. Water resource Institutions' compliance implemented 4. Regulatory compliance and enforcement	**Programme 2:** 1. Percentage monitoring compliance of Resource Quality Objectives 2. Percentage monitoring compliance of international obligations 3. Number of irrigation boards transformed into water user associations 4. Number of institutional annual performance plans evaluated 5. Number of institutions assessed per quarter 6. Number of institutional annual reports evaluated 7. Percentage of planned inspections for related uses of various sectors 8. Percentage of enforcement action taken against non-compliant users 9. Percentage of approved water use authorisations registered on WARMS 10. Percentage of water use authorisations processed within the regulated timeframe

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2024/25 PERFORMANCE TARGETS

OUTPUT INDICATORS		ANNUAL TARGET	QUARTERLY TARGETS			
		2024/25	QUARTER 1	QUARTER 2	QUARTER 3	QUARTER 4
Percentage implementation of a stakeholder management plan		100%	100%	100%	100%	100%
Percentage implementation of a Human Resource plan		80%	20%	20%	20%	20%
Percentage implementation of the ICT strategy		60%	10%	20%	20%	10%
Percentage implementation of Strategic risk register action plans		90%	30%	30%	20%	10%
Percentage implementation Risk Management plan.		100%	30%	30%	20%	20%
Percentage compliance with Approved Audit plan		≥80%	≥80%	≥80%	≥80%	≥80%
Percentage of debt collection ratio: Healthy book		65%	15%	30%	45%	65%
Percentage of debt collection ratio: Toxic book		8%	2%	4%	6%	8%
Number of debtors' payment period in days(Healthy book)		D&I: ≤ 100 days Irrigation: ≤270 days Forestry: ≤270 days	D&I: ≤ 100 days Irrigation: ≤270 days Forestry: ≤270 days	D&I: ≤ 100 days Irrigation: ≤270 days Forestry: ≤270 days	D&I: ≤ 100 days Irrigation: ≤270 days Forestry: ≤270 days	D&I: ≤ 100 days Irrigation: ≤270 days Forestry: ≤270 days
Number of Current Ratio		≥1:1	≥1:1	≥1:1	≥1:1	≥1:1
Percentage of debt Working Ratio (cash based)		≤80%	≤80%	≤80%	≤80%	≤80%
Percentage of targeted procurement budget spent on SMMEs		40%	40%	40%	40%	40%
A	Women	40%	40%	40%	40%	40%
B	Youth	30%	30%	30%	30%	30%
C	People with a disabilities	7%	7%	7%	7%	7%

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2024/25 PERFORMANCE TARGETS

OUTPUT INDICATORS	ANNUAL TARGET	QUARTERLY TARGETS			
	2024/25	QUARTER 1	QUARTER 2	QUARTER 3	QUARTER 4
Percentage monitoring of compliance to Resource Quality Objectives	≥90%	≥90%	≥90%	≥90%	≥90%
Percentage monitoring of compliance to international obligations	≥90%	≥90%	≥90%	≥90%	≥90%
Percentage of planned inspections for related uses of various sectors	≥90%	≥90%	≥90%	≥90%	≥90%
Number of irrigation boards transformed into water user associations	3	-	-	-	3
Number of institutional annual performance plans evaluated	3	-	-	-	3
Number of institutions assessed per quarter	3	-	-	-	3
Number of institutional annual reports evaluated	3	-	-	-	3
Percentage of enforcement action taken against non-compliant users	≥90%	≥90%	≥90%	≥90%	≥90%
Percentage of approved water use authorisations registered on WARMS	≥90%	≥90%	≥90%	≥90%	≥90%
Percentage of water use authorisations processed within the regulated timeframe	≥90%	≥90%	≥90%	≥90%	≥90%

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THANK YOU
SIYABONGA
RE YA LEBOGA
RI A LIVHUWA

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CATCHMENT MANAGEMENT AGENCY

CROCODILE CATCHMENT AND LOWER KOMATI SUB CATCHMENT

TARIFF CONSULTATION MEETING

JUNE 2024

Presentation by: Dr Nicollete Mhlanga-Ndlovu

(Executive: Water Resources Management)

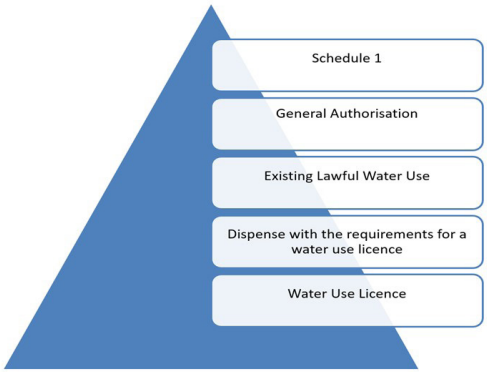
WATER RESOURCES MAMAGEMENT

PRESENTATION CONTENT

1. Water Use Authorisation
2. Existing Lawful Use Verification
3. Water Availability
4. Water Quality Monitoring
5. Compliance Monitoring and Enforcement
6. Institutions and Participation

WATER USE AUTHORIZATION

TYPES OF AUTHORISATIONS



TYPES OF WATER USES

s21(a)	taking water from a water resource;
s21(b)	storing water;
s21(c)	impeding or diverting the flow of water in a watercourse;
s21(d)	engaging in a stream flow reduction activity (currently only commercial afforestation);
s21(e)	engaging in a controlled activity – activities which impact detrimentally on a water resource (activities identified in s37(1) or declared as such under s38(1)) namely: ▪ irrigation of any land with waste or water containing waste which is generated through an industrial activity or a waterwork; ▪ an activity aimed at the modification of atmospheric precipitation; ▪ a power generation activity which alters the flow regime of a water resource; or ▪ intentional recharge of an aquifer with any waste or water containing waste
s21(f)	discharging waste or water containing waste into a water resource through a pipe, canal, sewer, sea outfall or other conduit;
s21(g)	disposing of waste or water containing waste in a manner which may detrimentally impact on a water resource;
s21(h)	disposing in any manner of water which contains waste from, or has been heated in, any industrial or power generation process;
s21(i)	altering the bed, banks, course or characteristics of a watercourse;
s21(j)	removing, discharging or disposing of water found underground if it is necessary for the efficient continuation if an activity or for the safety of people; and
S21(k)	using water for recreational purposes

WULA SUMMARY-KOMATI

- **TOTAL - 06**
- LICENCE ISSUED : 0
- CONFIRMED GENERAL AUTHORISATION: 02
- UNDER ASSESSMENT : 03
- Declined: 0
- CLOSED APPLICATIONS : 0
- WITHDRAWAL APPLICATIONS: 01
- Await Confirmation: 0

WULA SUMMARY-CROCODILE

- TOTAL - 26
- LICENCE ISSUED : 02
- CONFIRMED GENERAL AUTHORISATION: 11
- UNDER ASSESSMENT : 13
- Declined: 0
- CLOSED APPLICATIONS : 0
- WITHDRAWAL APPLICATIONS: 0
- Await Confirmation: 0

ELU VERIFICATION AND WATER ALLOCATIONS REGISTER UPDATE

ELU WATER USE VERIFICATION PROGRESS.

Catchment	ELU Verification	Total identified	Percentage
Usuthu	841	1437	58,5
Upper Komati	210	606	34,7
Lower Komati	331	409	80,9
Crocodile	2422	3201	75,7
Sabie	263	335	78,5
Sand	119	179	66,5

WATER USE ALLOCATIONS REGISTER

SECTOR	Usuthu Volume (m3/a)	Upper Komati Volume (m3/a)	Sabie Sand Volume (m3/a)	Crocodile Volume (m3/a)	Lower Komati Volume (m3/a)
AGRICULTURE - Irrigation	25 520 153	62 094 669	58 743 648	507 570 656	373 525 393
SFRA	169 252 485	58 523 816	71 462 311	121 068 397	5 909 879
INDUSTRY	38 372 582	134 215 788	2 311 203	38 017 712	3 003 697
MINING	1 132 583	14 483 535	195 250	3 924 380	1 185 271
WATER SUPPLY SERVICE	15 484 206	20 284 372	126 378 742	53 746 138	31 135 957
OTHER (Non-Billable)	325 913	469 529	204 147	1 789 819	273 100
TOTAL	**250 087 922**	**290 071 709**	**259 295 301**	**726 117 103**	**415 033 297**
Percentage	12.89%	14.95%	13.36%	37.42%	21.39%

WATER USE INFORMATION UPDATE AND WASTE DISCHARGE CHARGE SYSTEM NOTICE

1. **Government Gazette 48187, Notice # 3137 of March 2023**

Critical to update and/ or amend water use/rs

- Continuous update and/or amendment of all water user's personal/juristic contacts details and water use/s allocation information.

2. Government Gazette 48187, Notice # 3138 of March 2023

- Notice to register information on wastewater related water uses for ss 21 (e,f,g,h and j), **see next slide for more details**
- **Excluded:** Schedule 1 & Irrigation Board/ Water User Association water users

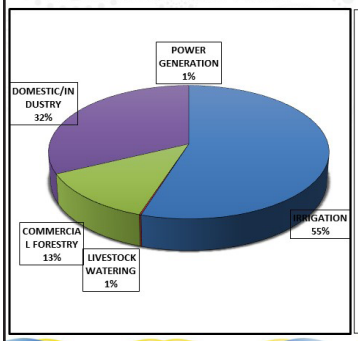
3. Consequences of failure to comply with the regulation

- Any person who fails to comply with this notice will be guilt of an offence

SURFACE AND GROUNDWATER QUANTITY STATUS

SECTORAL WATER ALLOCATION

MPUMALNGA PROVINCE



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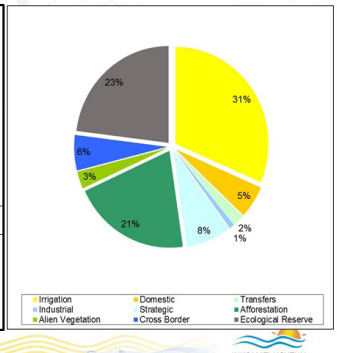
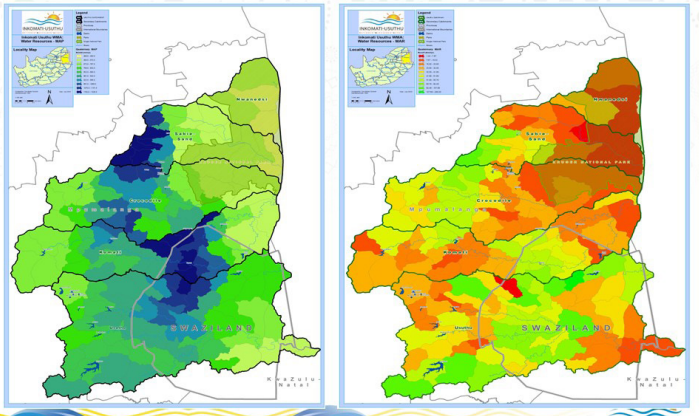
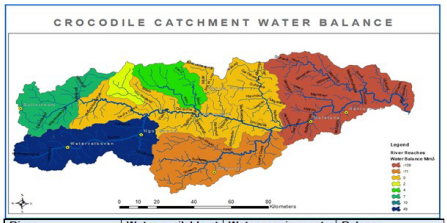


DISTRIBUTION OF MEAN ANNUAL RAINFALL AND MEAN ANNUAL RUNOFF IN THE WMA

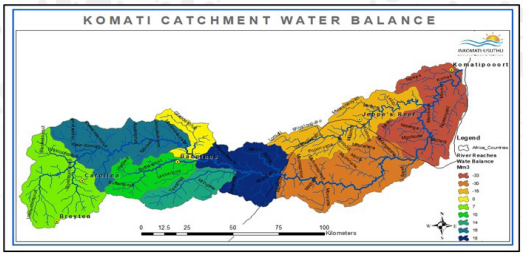


CROCODILE SURFACE WATER BALANCE



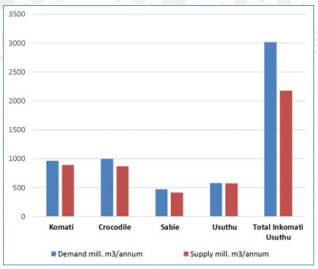
River Reach/Tributary	Water available at mixed assurance	Water requirement	Balance
Elands River	76	28	48
Crocodile (u/s of Kwena Dam)	21	14.1	6.9
Crocodile (d/s of Kwena Dam to confluence with the Elands)	20	19.8	0.2
Houtbosloop	7	5.3	1.7
Stads River	5	39.3	-34.3
Crocodile (Montrose to Mataffin)	78	41.3	36.7
Nels River	25	10.5	14.5
White River	19	19	0
Crocodile (Mataffin to Crocodile Gorge)	57	63.6	-6.6
Kaap River	70	85.1	-15.1
Gutshwa River	10	9.2	0.8
Lower Crocodile	116	220.6	-104.6
Total	**504**	**555.8**	**-51.8**

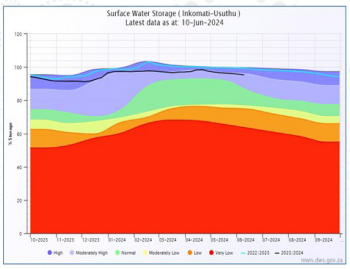
KOMATI SURFACE WATER BALANCE



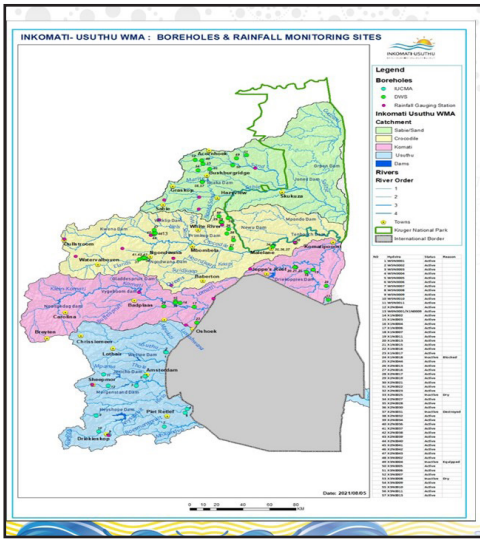
River Reach/Tributary	Water available at mixed assurance	Water requirement	Balance
Nooitgedacht	47	40	7
Vygeboom	101	85	16
Buffelspruit	11	1	10
Gladdespruit	6	6	0
Theespruit	20	6	14
Upper Komati	25	7	18
Middle Komati	327	357	-30
Lomati	128	146	-18
Lower Komati	206	239	-33
Total	**871**	**887**	**-16**

SURFACE WATER RESOURCES STATUS





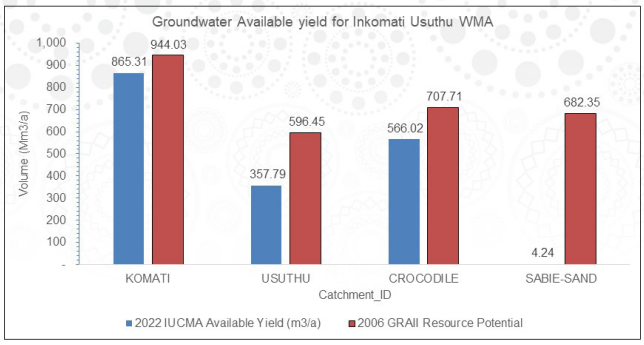
- The water requirements are in excess of available surface resources in majority of the catchments except the Usuthu which is in balance. Additional sources such as construction of Mountain view dam in the Crocodile catchment remain critical intervention. There is also construction of Amsterdam and Mpuluzi Dams in Usuthu catchment.
- All dams are above normal, an indication of excess water in the system for annual allocations to different sectors through to next rain season.
- However, those who rely on river flows will still be affected as the river levels are dropping until next rainy season.



GROUNDWATER MONITORING & ASSESSMENT

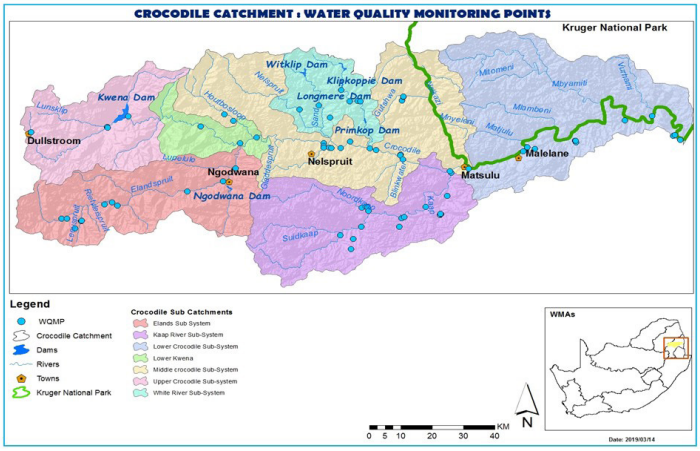
57 groundwater monitoring stations within the WMA, however 12 are monitored by IUCMA and 45 monitored by DWS.

GROUNDWATER RESOURCES STATUS



- Crocodile is 566 Mm³/a and Sabie-Sand is 4 Mm³/a.
- Since 2006 estimates (GRA II), Sabie-Sand is characterised by the highest (678 Mm³/a) decline whilst Crocodile declined by 239 Mm³/a.

SURFACE WATER QUALITY STATUS



WATER QUALITY DATA REPORTED

- The data reported for Crocodile Catchment and lower Komati sub catchment ranges between April 2023–March 2024 (2023/2024 Financial year) within the WMA.
- The compliance of these indicator variables tabulated were compared with Resource Quality Objectives (RQOs) published in a Government Gazette dated 30 December 2016, where RQOs are not available TWQG will be used.
- The selected indicator variables are tabulated:

Classified Water quality variables	Indicator Variables	Statistical analysis of data
System variable	pH	Average
Salts	Electrical Conductivity	Average
Nutrients	Phosphate	Median
Microbial	*E coli*	Average
Toxin(s)	*Arsenic*	Average

WATER QUALITY STATUS : CROCODILE CATCHMENT

Classified Water quality variables	Indicator Variables	Areas of concern
Acidity and Basicity	pH	None. Compliant with RQOs, Eco spec and TQWR throughout the catchment.
Salts	Electrical Conductivity	**None. EC** was compliant at most monitoring points with the set RQOs within the catchment, except for the Elands (Ngodwana Mill), **Tributary of Gutshwa River** (D/S of Kabokweni WWTW), **tributary of Crocodile River** at Tenbosch (Return flows from sugar cane irrigation) and **Hectorspruit** (Hectorspruit settlement and WWTWs).
Nutrients	Phosphate	None. Phosphate compliant with the RQO throughout the sub-Catchment, except for **Leeuspruit**, **Tributary of Gutshwa River**, **Kanyamazane stream**, **Hectorspruit** and **Tributary of Crocodile River** at Komatipoort (mainly D/S of WWTWs & intensive residential areas).
Microbial	*E coli*	See water quality status map below, Microbial pollution is due to effluent discharge from WWTWs and intensive residential runoff pollution (stormwater runoff from rural and urban settlements, including direct disposal of domestic refuse, grey water, seepage from latrines, human and animal excrement, as well as sewer overflows).
Toxins	*Arsenic*	Arsenic complied with the RQOs at Houtbosloop, Noordkaap (U/S of the mine), tributary of Queens, however indicated non-compliance in **Suidkaap**, **Noordkaap**, **Louw's Creek** and its tributaries as well as **Kaap River** after confluence with Louws Creek.

MAP SHOWING WATER QUALITY STATUS: *E COLI*

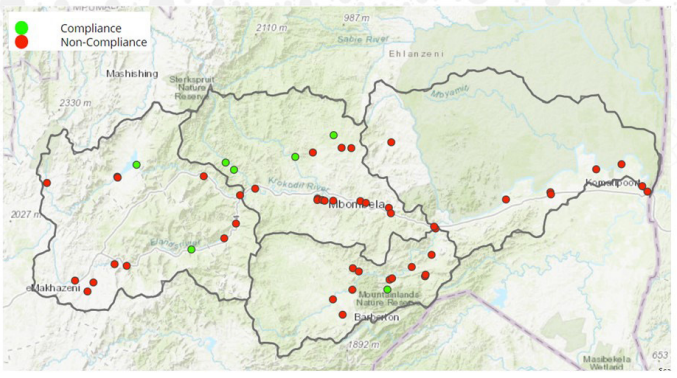
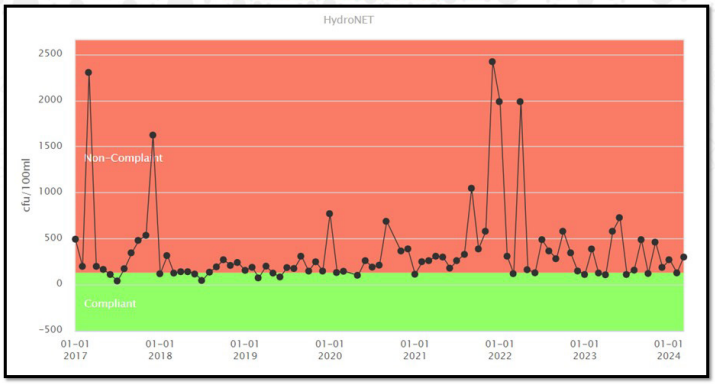


CHART SHOWING E COLI TRENDS: CROCODILE RIVER@MANTROSE



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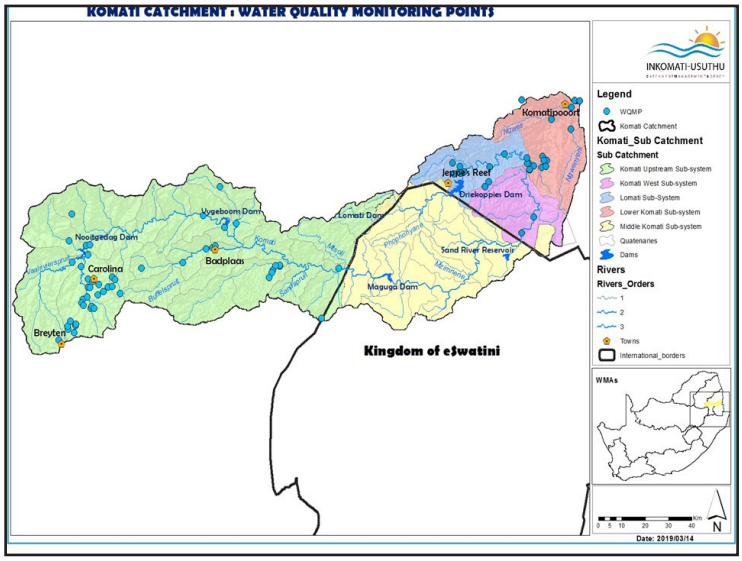
KOMATI CATCHMENT : WATER QUALITY MONITORING POINTS



WATER QUALITY STATUS : LOWER KOMATI CATCHMENT

Classified Water quality variables	Indicator Variables	Areas of concern
Acidity and Basicity	pH	None. Compliant with RQOs, Eco spec and TQWR throughout the sub-catchment.
Salts	Electrical Conductivity	**EC** was compliant at most monitoring points with the set RQOs within the sub catchment, except the for the Sikwakwa River and tributaries of Komati River (Return flows from sugar cane irrigation).
Nutrients	Phosphate	None. Compliant with the RQO throughout the sub-Catchment, except for Tributary of Komati D/S of Tonga Hospital WWTWs and Mahorwane stream.
Microbial	*E coli*	See water quality status map below, Microbial pollution is due to effluent discharge from WWTWs and intensive residential runoff pollution (stormwater runoff from rural and urban settlements, including direct disposal of domestic refuse, grey water, seepage from latrines, human and animal excrement, as well as sewer overflows).

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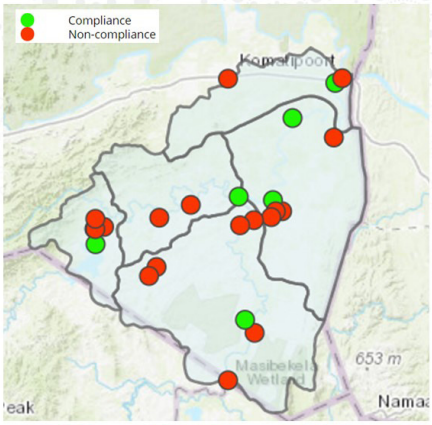
MAP SHOWING WATER QUALITY STATUS: *E COLI*



E. coli counts did not comply with the set RQOs for most of the monitoring sites, with high concentrations within residential areas, except for Driekoppies Dam and few point on the Komati River and the tributaries.

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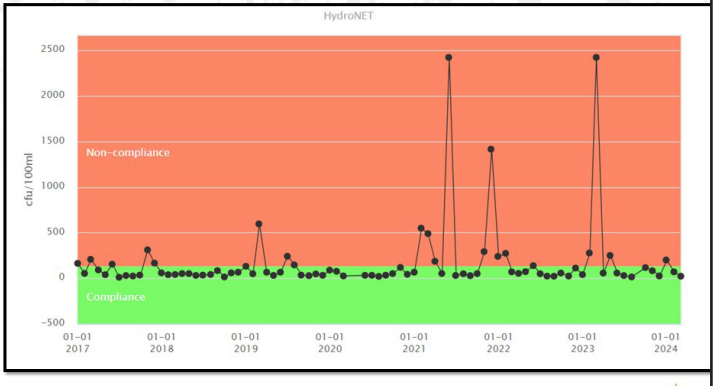
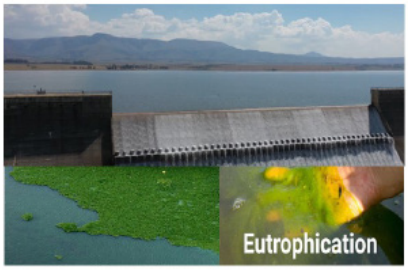
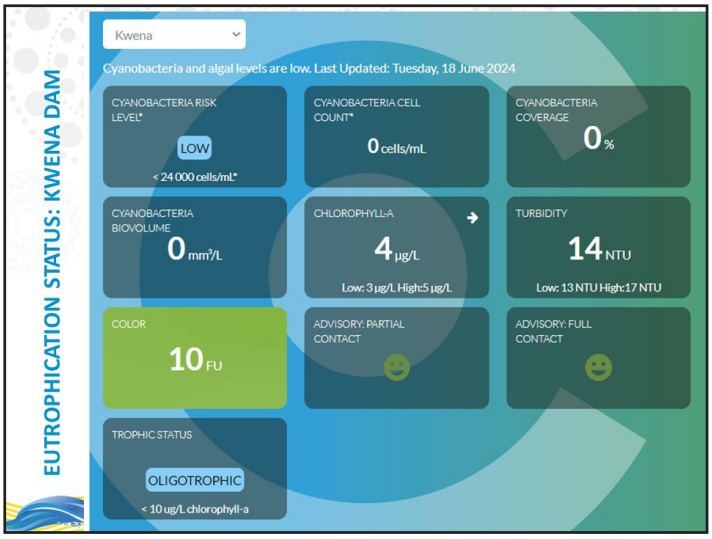
CHART SHOWING E-COLI TRENDS: LOMATI RIVER @PHIVA



INKOMATI-USUTHU

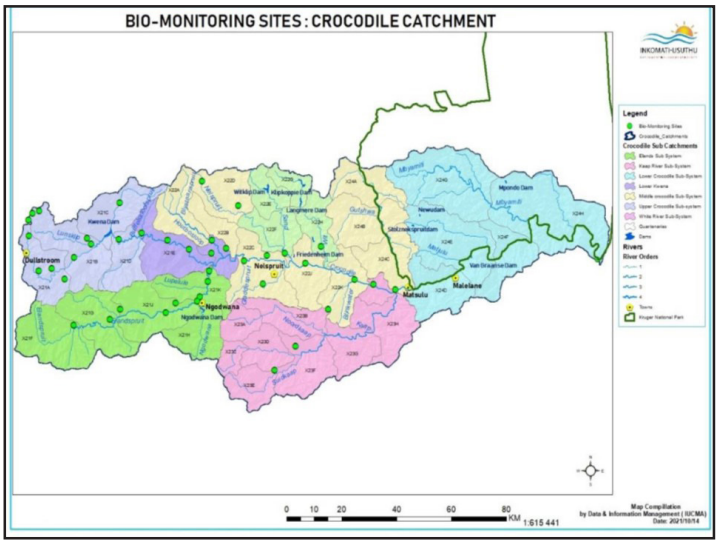
EUTROPHICATION STATUS OF THE MAJOR DAMS WITH THE WMA

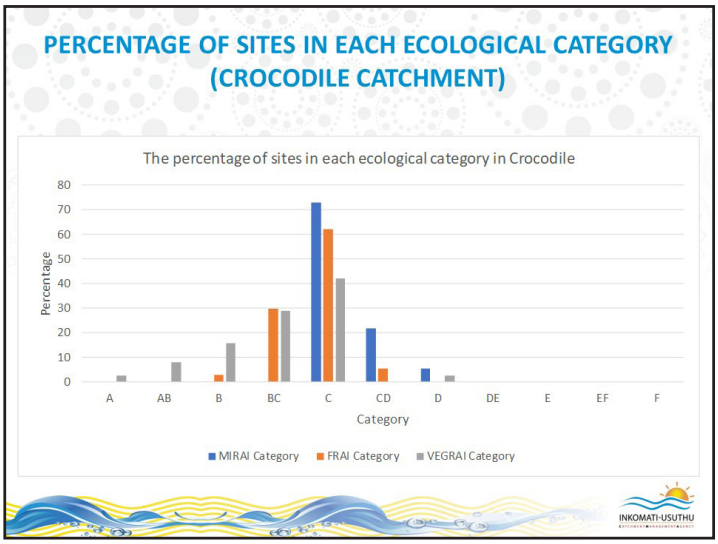


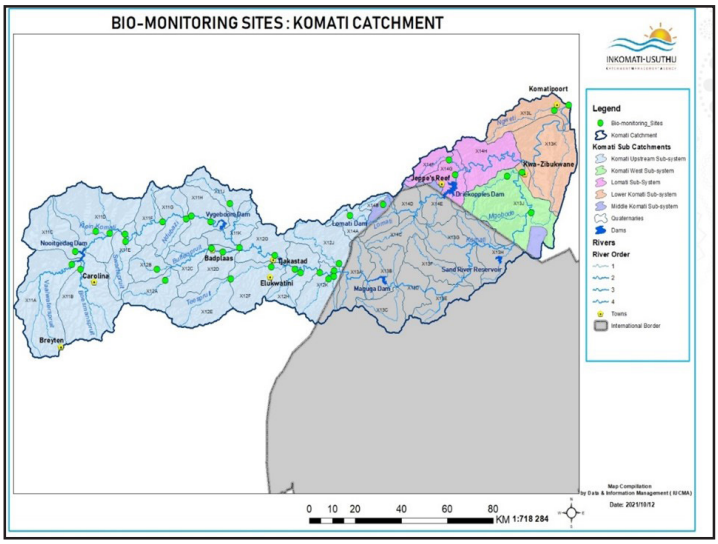

EUTROPHICATION STATUS: KWENA DAM
Kwena
Cyanobacteria and algal levels are low. Last Updated: Tuesday, 18 June 2024
CYANOBACTERIA RISK LEVEL*
LOW
< 24 000 cells/mL*
CYANOBACTERIA CELL COUNT*
0 cells/mL
CYANOBACTERIA COVERAGE
0 %
CYANOBACTERIA BIOVOLUME
0 mm³/L
CHLOROPHYLL-A
4 µg/L
Low: 3 µg/L High:5 µg/L
TURBIDITY
14 NTU
Low: 13 NTU High:17 NTU
COLOR
10 FU
ADVISORY: PARTIAL CONTACT
ADVISORY: FULL CONTACT
TROPHIC STATUS
OLIGOTROPHIC
< 10 ug/L chlorophyll-a


EUTROPHICATION STATUS: DRIEKOPPIES DAM
Driekoppies Dam
Cyanobacteria and algal levels are low. Last Updated: Tuesday, 18 June 2024
CYANOBACTERIA RISK LEVEL*
LOW
< 24 000 cells/mL*
CYANOBACTERIA CELL COUNT*
0 cells/mL
CYANOBACTERIA COVERAGE
0 %
CYANOBACTERIA BIOVOLUME
0 mm³/L
CHLOROPHYLL-A
2 µg/L
Low: 1 µg/L High:3 µg/L
TURBIDITY
6 NTU
Low: 5 NTU High:7 NTU
COLOR
12 FU
ADVISORY: PARTIAL CONTACT
ADVISORY: FULL CONTACT
TROPHIC STATUS
OLIGOTROPHIC
< 10 ug/L chlorophyll-a

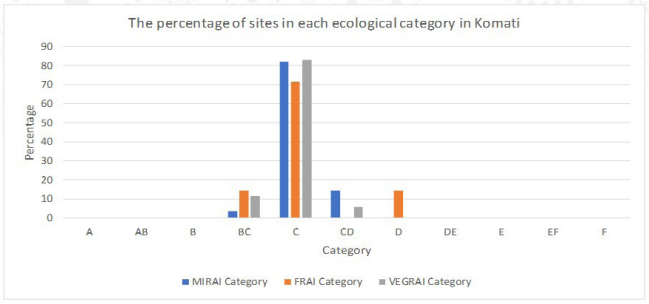

AQUATIC BIOTA STATUS (REMP)


BIO-MONITORING SITES : CROCODILE CATCHMENT
INKOMATI-USUTHU
Legend
Crocodile Sub Catchments
Rivers
River Orders
Nelspruit
Malelane
Mbombela
0 10 20 40 60 80 KM
1:615 441


PERCENTAGE OF SITES IN EACH ECOLOGICAL CATEGORY (CROCODILE CATCHMENT)
The percentage of sites in each ecological category in Crocodile
Percentage
80
70
60
50
40
30
20
10
0
A
AB
B
BC
C
CD
D
DE
E
EF
F
Category
MIRAI Category
FRAI Category
VEGRAI Category
INKOMATI-USUTHU


BIO-MONITORING SITES : KOMATI CATCHMENT
INKOMATI-USUTHU
Legend
Komati Sub Catchments
Rivers
River Order
Komatipoort
Kwa-Zibukwane
Hoya's Reef
Driekoppies Dam
Vygeboom Dam
Nooitgedag Dam
Lomati Dam
Badplaas
Caroline
Eerstehoek
Elukwatini
Bakastad
Sand River Reservoir
Maloma Dam
Breyten
0 10 20 40 60 80 KM
1:718 284

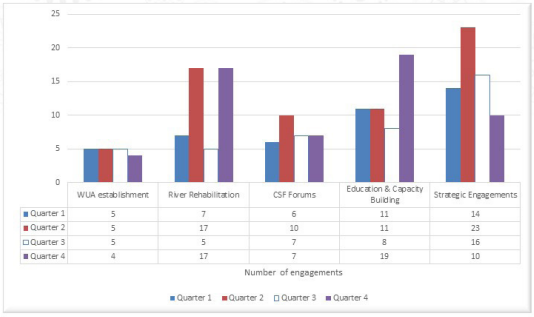
PERCENTAGE OF SITES IN EACH ECOLOGICAL CATEGORY (KOMATI CATCHMENT)



FUNCTIONS OF THE INSTITUTIONS & PARTCIPATION SECTION

1. Establishment, Transformation and Support of Water Management Institutions in the Inkomati Usuthu Water Management Area i.e *Transformation of Irrigation Boards into Water User Associations*
2. Implementation of Sustainable River Rehabilitation and Adopt a River Programmes.
3. Interaction with stakeholders through the co-ordination of Catchment Stewardship Forum (CSF) meetings in the 6 sub-catchments of the water management area.
4. Stakeholder Empowerment through Capacity Building Workshops, Education and Awareness initiatives targeting commercial and emerging/historically disadvantaged (HDI) water users, Traditional Authorities, Local Government and other spheres of government and the private sector. i.e *CMS development, principles of the Prising Strategy and Tariff determination, NWRS development,*
5. Facilitating the IUCMA's participation in Local, Transboundary and International integrated water resources management (IWRM) engagements and other environmental related platforms/fora. *(Komati Joint Operations Forum, Inco-Maputo, ARaSul, SWADE, KOBWA, Blue Deal, WISA, etc)*

STAKEHOLDER ENGAGEMENTS WERE ACHIEVED THROUGH DIFFERENT PLATFORMS TO REALISE THE FIVE (5) KEY PERFORMANCE INDICATORS (KPIS) OF THE I&P AS PER THE OPERATIONAL PLAN 2023/24 AS INDICATED IN THE GRAPH BELOW



	WUA establishment	River Rehabilitation	CSF Forums	Education & Capacity Building	Strategic Engagements
Quarter 1	5	7	6	11	14
Quarter 2	5	17	10	11	23
Quarter 3	5	5	7	8	16
Quarter 4	4	17	7	19	10

RIVER REHABILITATION PROGRAME IN THE WMA

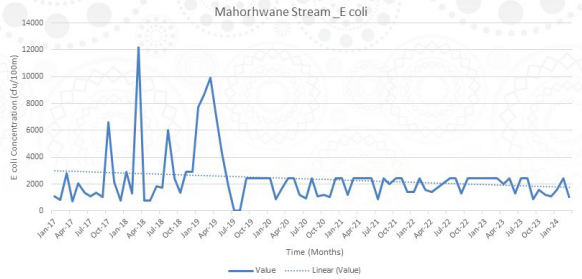
River Rehabilitation Teams at work

- The Sustainable River Rehabilitation Programme (SRRP) is implemented in the six sub-catchments where 6 project sites were identified in the water management area from
- 90 people participating Community Groups involved in the River Rehabilitation Programme during 2023/24
- This programme contributes to income generation and unemployment reduction within the rural communities (especially amongst the youth and women) in the WMA.

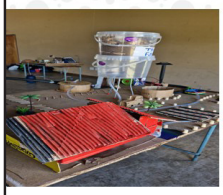
MOHHORHWANE STREAM IN RELATION TO SRR PROJECT

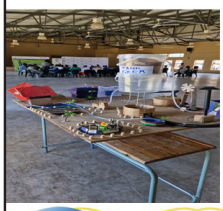
Figure 3: *Mohhorhwane stream before cleaning commenced in August and the stream after it was cleaned in November 2023.*

IMPACTS OF THE RIVER REHABILITATION PROGRAMME: REDUCTION OF E.COLI LEVELS



SCIENCE SCHOOLS PROJECTS





- The Science Schools projects presented by learners in the 2024 Competitions which are conducted during the annual National Water Month in March
- A water supply and purification supply system model designed by learners presented during the Science Schools Competition in March 2024

SCIENCE SCHOOLS PROJECTS

MPUMALANGA PROVINCE **INKOMATI-USUTHU WMA**

- *The IUCMA engaging Learners from Sibahle Primary School during the Mkhondo Arbor Day Celebrations* ***07/09/2023.***
- *The IUCMA conducting a HDIs farmers during water use authorization workshop as part of the Education and Awareness programmes in the Sand Sub-catchment* ***21/09/2023***

CONCLUSIONS AND RECOMMENDATIONS

- The **verification and validation** initiative will be continued as a very important measure in addressing water allocation management in the WMA.
- Water Quality in the upper Komati is generally good but punctuated by microbial (E. coli) pollution) and Salts(EC and Sulphate) which indicated non-compliance at various sites due to WWTWs & its associated infrastructure and mining activities. **The IUCMA is working on implementing a mining impact management plan.**
- The IUCMA will continue to monitor compliance to licence conditions and apply enforcement to address land use activities impacting on water resources **(Source Directed Controls)** as per the provision(s) of the NWA.
- The **River Rehabilitation** Programme is implemented and is to be continued in areas where some of the municipalities are not providing waste removal services as part of addressing water quantity and quality improvement in the WMA. The IUCMA is engaging these Municipalities to conclude service level agreements.
- The IUCMA will continue to pursue the Ministerial Directive through Gazette No. 48483 Notice No. 3355 dated 28 April 2023, a notice of intention to **transform Irrigation Boards into Water User Associations (WUAs)** as a means of ensuring equitable access to water.

THANK YOU

INKOMATI-USUTHU
CATCHMENT MANAGEMENT AGENCY

INKOMATI-USUTHU

CATCHMENT MANAGEMENT AGENCY

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