

NATIONAL MICROBIAL MONITORING PROGRAMME

2003 - 2008

FIVE YEAR STRATEGIC IMPLEMENTATION OF THE NATIONAL MICROBIAL MONITORING PROGRAMME

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LAYOUT

- BACKGROUND
- PURPOSE OF STRATEGIC PLAN
- PROGRAMME MANAGEMENT
- EXISTING SUB PROGRAMMES AND CURRENT STATUS ON THE NMMP
- UNROLL THE PROGRAMME
- CONCLUSIONS



BACKGROUND

- CONSTITUTION OBLIGATIONS
 - National Water Act of 1998
 - Chapter 3 – Protection
 - Chapter 14 Section 137 Monitoring & Assessment
 - National Water Resources Strategy

- Conceptualisation & Design 1996 IWQS, CSIR, 
- Prioritisation of High Health Risk Areas 
- CRITERIA
 - Water used for drinking purposes 
 - Recreational activities
 - Irrigation of crops that could be eaten raw
 - Full or Partial contacts 



BACKGROUND...

- Pilot implementation in 1997 in KZN and Gauteng - Partially Funded WRC
- 2000 National Programme co-ordinator was appointed
- 2002 Implementation Manual was produced
- 2002 Programme administrator appointed
- 2003 Technical Assistant (intern) appointed on contract



PURPOSE OF STRATEGIC PLAN

- Mapping a way forward on how the full implementation will be approached
- Address time frames and extension to other 11 WMA
- Outline Reporting, Financial, Human Resources requirements



PROGRAMME MANAGEMENT

■ PROJECT MANAGEMENT TEAM

- Programme Manager
- Chief Specialist scientist
- Specialist Scientists
- National Coordinator

■ TECHNICAL TEAM

- GIS specialists
- Lab Tech
- Limnologists
- Data loggers
- Logistics

■ STEERING COMMITTEE

- DWAF
- DoH
- DEAT
- Agriculture



SUB PROGRAMMES AND CURRENT STATUS OF THE NMMP

- NMMP is currently Implemented in 8 WMA'S 

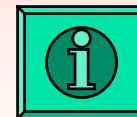
- CROCODILE (WEST) MARICO WMA

- 18 Monitoring points
- Coordinated by DWAF
- Gauteng North / Hartbeespoort
- Laboratories – RQS, ERWAT, JHB Water



- USUTU to MHLATUZE

- 16 Monitoring points
- Coordinated by Mhlathuber Water
- Richards Bay
- Laboratories – Mhlathuze Water

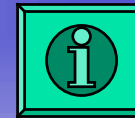




SUB PROGRAMMES AND CURRENT STATUS OF THE NMMP....

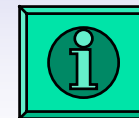
■ UMZIMVUBU to KEISKAMMA WMA

- 15 Monitoring points
- Coordinated by Amatola Water
- Laboratories – Amatola and NHLS



■ LUVUVHU and LETABA WMA

- 9 Monitoring points
- 4 additional points will start in November
- Coordinated by DWAF
- Giyani
- Laboratories – DWAF

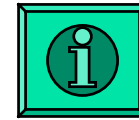




SUB PROGRAMMES AND CURRENT STATUS OF THE NMMP

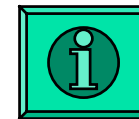
■ BERG WMA

- 15 Monitoring points
- Coordinated by PSP
- Cape Town
- Laboratory –CMC



■ INKOMATI WMA

- 15 Monitoring points
- 7 additional points will start in November
- Coordinated by MBB Consulting Engineers
- Nelspruit
- Laboratories – NHLS

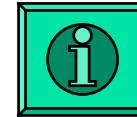




SUB PROGRAMMES AND CURRENT STATUS OF THE NMMP

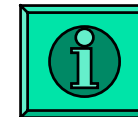
■ LOWER ORANGE WMA

- 4 Monitoring points
- 2 still on trial
- Coordinated by DWAF
- Upington
- Laboratories – NHLS



■ UPPER ORANGE WMA

- 6 Monitoring points
- Coordinated by DWAF
- Bloemfontein
- Laboratories – Van Vuuren lab





UNROLLING THE PROGRAMME

2003 - 2004

IMPLEMENTATION OF THE NMMP IN THE FOLLOWING WMA

- * Upper Orange, Crocodile (west) Marico and lower Orange - Jan – June 2004
- * Berg and Umzimvubu to Keiskamma - April - September 2004
- * Luvuvhu and letaba, Usutu to Mhlatuze, Inkomati – August - Dec 2004
- Monitor the progress and continue to extend the programme in the 8 WMA during 2004
- Add additional sites where required



UNROLLING THE PROGRAMME...

2005

IMPLEMENTATION OF THE NMMP IN THE FOLLOWING WMA

- Limpopo, Upper Vaal, Lower Vaal,
- Mvoti to Mzimkhulu,
- Gouritz and Olifants
- At Least a minimum of 5 point to start with



UNROLLING THE PROGRAMME...

2006

- Monitor the Progress of and extend
 - Breede,
 - Olifants,
 - Middle Vaal,
 - Fish to Tsitsikamma
 - and Tukelal
- Continue maintain and support the existing NMMP sub programmes



UNROLLING THE PROGRAMME....

2007

IMPLEMENTATION OF THE NMMP IN THE FOLLOWING WMA

- Olifants,
- Mvoti to Umzimkulu,
- Thukela,
- Fish to tsitsikamma
- and Limpopo
- At Least a minimum of 5 point to start with



UNROLLING THE PROGRAMME...

- - 2008
- FULL IMPLEMENTATION OF THE NMMP IN ALL 19 WMA
PRODUCE ANNUAL REPORT

AD hoc Tasks:



Do regular follow-up with WMA's to sort out problems encountered
Always revise and strategic implementation plan



REPORTING

- Bi Monthly Reports
- Annual report
- Verbal Reporting

- MEDIUM
 - Fax
 - E-Mail
 - Telephone



OBSTACLES

- Unstable Regional coordination
- Insufficient resources
- Data distribution



RESOURCE REQUIREMENTS

- HUMAN RESOURCES

- National Coordinator
- Programme Administrator
- Data logger

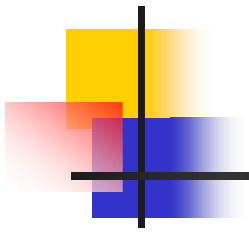
- FINANCIAL RESOURCES

- Regional Coordinators
- Sample Analysis..\..\..\5 NMMP BUDGET\5 YEAR ESTIMATES AND LIST OF PROGRAMMES 6 4 2004.xls



CONCLUSIONS





DWAF

**THANKS TO
ALL OF YOU**

CONFERENCE ORGANIZERS





Department: Water Affairs and Forestry
WATER MANAGEMENT AREAS OF REPUBLIC OF SOUTH AFRICA



USUTU THU/MHLATHUZE WMA NO.6

