



AIM OF PRESENTATION

To illustrate how volunteer interest groups in the

Moreleta-/Hartbeesspruit catchment can successfully co-operate with

relevant authorities towards the realisation of a common goal

To conserve and improve the quality of the Moreletaand the Hartbeesspruit and their tributaries to a state that is an asset to the people of the City of Tshwane

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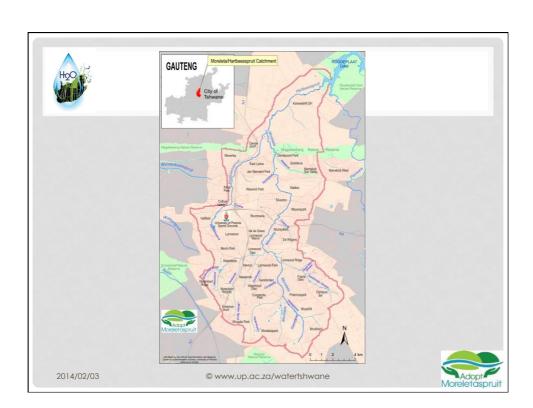


THE MORELETA-/ HARTBEESSPRUIT CATCHMENT

- Lies in upper reaches of Pienaars River catchment, (part of newly established Limpopo/ Crocodile-West/ Marico Rivers CMA)
- Moreletaspruit and tributaries originate in the flat ridges to the south and east of Pretoria,
- · Flow through:
 - Eastern suburbs
 - Industrial areas of Silverton and Waltloo.
 - Eersterust and Derdepoort Reserve—where Moreleta joins the Hartbeesspruit
 - Kameeldrift smallholdings before entering Roodeplaat Dam where it joins the Pienaars River.
- Contribute to water supply for many downstream communities, industries, mines and farms in Limpopo catchment
- Surface area ≈165 km²

Population ≈ 300 000 people

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VALUE OF THE MORELETASPRUIT

- Worldwide increasing recognition of importance green spaces for health and well-being of people
- Aesthetic value
- Recreational activities
 - Hiking
 - Cycling
 - · Bird-watching
- Ecological importance serve as migration corridor for indigenous fauna living in the area
- Environmental education and training

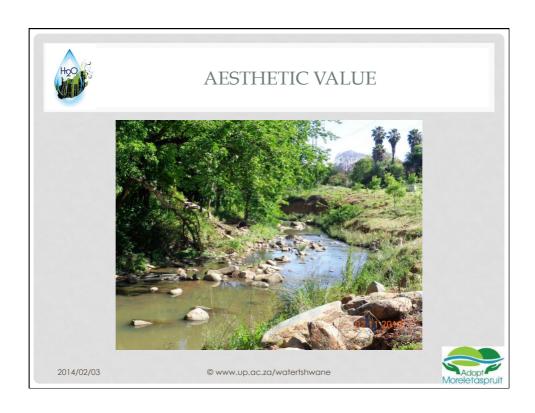
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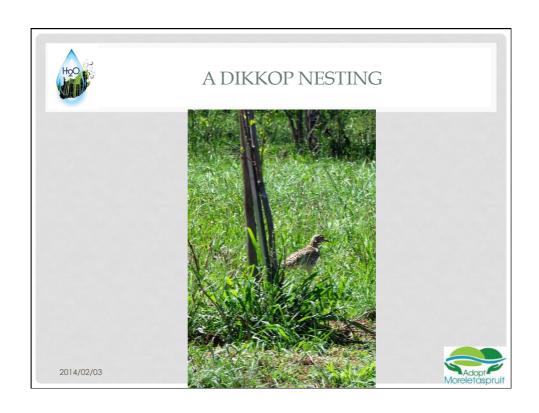




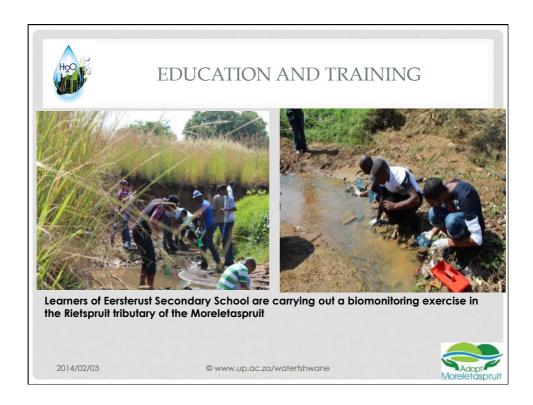














CONDITION OF THE MORELETA-/ HARTBEESSPRUIT AND TRIBUTARIES

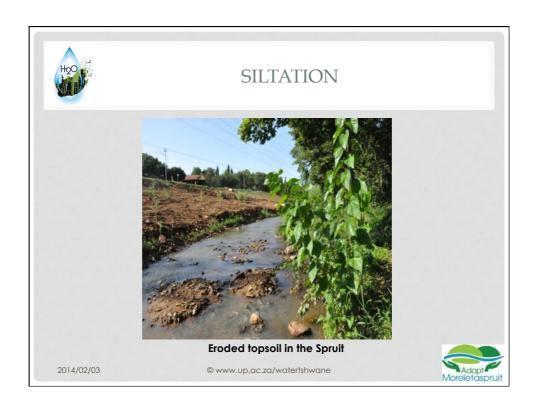
- Not a natural river system anymore- exposed to overuse and even abuse for many years
 - Farming
 - Population densification located in rapidly developing area
 - Commercial developments and industrialisation.
- Wetlands destruction (shops and car parks)
- Floodplain intrusion
- Dumping of building rubble and litter
- Invasion of alien vegetation along sections of river
- Sewage leaks and unlawful industrial effluent discharges affect water quality adversely.

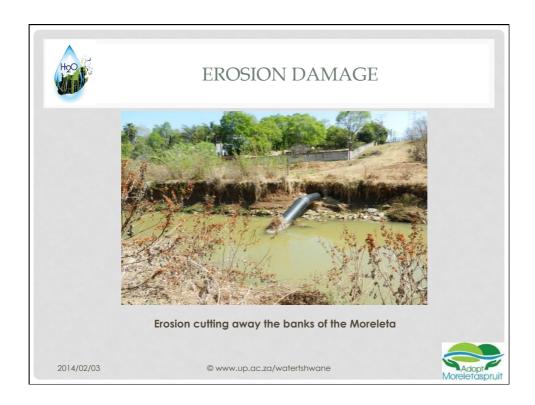
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WHAT COULD BE DONE?

- Restoration of Moreletaspruit to "natural" state" not attainable
- City of Tshwane and DWA take their management responsibilities seriously - cannot be aware of everything happening in Spruit at all times.
- Assistance by the community dearly needed

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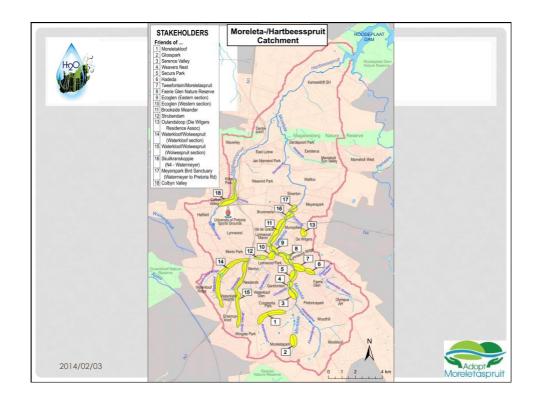


FRIENDS OF THE MORELETA

- Concerned citizens and interest groups mostly living along Moreleta- and Hartbeesspruit have recognised need for assistance
- Organised themselves some years ago as volunteer Friends of the Moreleta and Colbyn Valley under auspices of Environmental Section of City of Tshwane Municipality
- Affiliated to WESSA (Wildlife and Environmental Society of Southern Africa),
- Been doing valuable voluntary work for several years
- Groups working independently

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ADOPT-A-RIVER PROGRAMME

- During construction of the Moreleta Outfall Sewer (MOS) some representatives of Friends groups along the Spruit became very concerned about the damage done to the banks and ecology of Spruit
- Aware of the complexity and extent of task to restore the damage
- A much more co-ordinated effort necessary
- Decided to join DWA's Adopt-a-River programme in 2010

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ADOPT-A-RIVER PROGRAMME (CONT.)

- Main aim of A-a-R programme is to create awareness among South Africans to care for our scarce water resources and to facilitate community participation in the protection and management of these resources
- Joining the A-a-R provided opportunity for volunteer Friends of the Moreleta and the wider community within Moreleta/Hartbeesspruit catchment to work closely with CoT Municipality and DWA to improve quality of Moreleta

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ADOPT MORELETASPRUIT FORUM

- Co-operation between DWA, CoT and volunteer Friends groups culminated in the establishment of the Adopt Moreletaspruit Forum (crucial role played by Environmental Section of CoT Municipality)
- Regular meetings 3rd Thursday of every monthattended by representatives of:
 - CoT
 - DWA
 - Friends groups (form the backbone of the Forum)
 - Tertiary educational Institutions (UP, Centurion Academy)
 - Developers
 - Industry
 - Other people interested in well-being of the Moreleta- and Hartbeesspruit

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BENEFITS OF SUCCESSFUL CO-OPERATION

Adopt Moreletaspruit Forum became part of a structured and sustainable <u>Adopt-a-River Programme</u> with Institutional support by DWA

- DWA funded a Situational analysis of Moreletaspruit Catchment
- Understanding of characteristics of Moreleta Catchment and how land use and other activities impact on the health of Moreleta and tributaries
- Contact with newly constituted Limpopo/ Crocodile-West/ Marico Rivers CMA – re-establishment of MAP Forum

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BENEFITS OF SUCCESSFUL CO-OPERATION

- Forum created a strong alliance between DWA, CoT and volunteer Friends - improved relationships
 - Put names to faces who to contact when pollution incidents and other problems occur (who is responsible for what)
- Forum members became effective eyes and ears of relevant authorities – timely reporting of illegal activities and pollution incidents
- Master Environmental Management Plan (in preparation) will facilitate correct and co-ordinated implementation of procedures for use of Spruit and activities within the Spruit

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BENEFITS OF SUCCESSFUL CO-OPERATION (CONT.)

- Friends Groups act in more co-ordinated and integrated way
 - Understanding of impacts of activities in catchment on downstream users
 - Learn from each other's experiences
 - Participate in each other's activities: clean-ups, removal of alien vegetation, tree planting, bird watching, frog identification and many more fun activities
- Newsletter regularly produced reports on activities of Friends Groups – pollution problems in Spruit interesting info on plants, birds and animals found along the Moreletaspruit and its tributaries etc.

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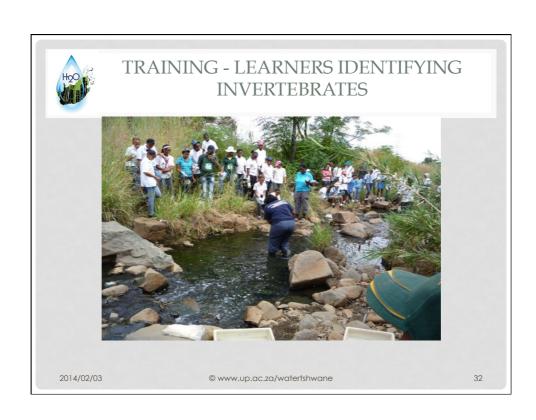


BENEFITS OF SUCCESSFUL CO-OPERATION (CONT.)

- Website (<u>www.riv.co.za/ms</u>) information on Adopt Moreletaspruit Forum and its activities
- Training and education activities of learners and students in the Moreleta and tributaries are coordinated/ facilitated by Forum(e.g. biomonitoring by secondary schools in Eersterust, practical's of students of UP and Centurion Academy)
- Networking done to create <u>awareness</u> of need to preserve Moreletaspruit and tributaries as important green zone (newsletter, website, articles in newspapers and presentations at workshops)

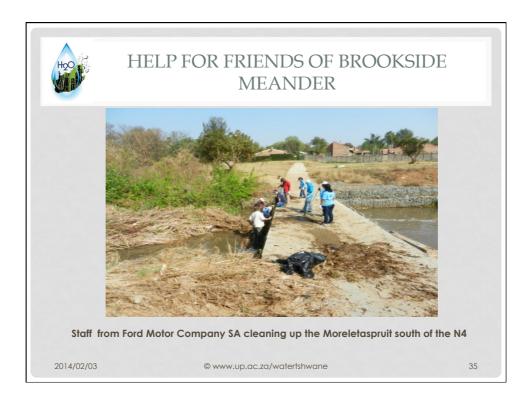
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BUT.....MUCH STILL NEEDS TO BE DONE!

Invitation to
everybody living and working in the
Moreleta- /Hartbeesspruit catchment as well as other
interested parties

- Become involved in the Adopt Moreletaspruit initiative and join the Forum
- · Help to fulfil our Vision of a

A city stream and its tributaries in a healthy ecological state, serving as a valuable nature area that will add to the quality of life of the people of the City of Tshwane.

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ACKNOWLEDGEMENTS

- Prof Hannes Rautenbch and Mr Matthys Dippenaar for inviting the Adopt Moreletaspruit Forum to participate in the Workshop
- Ms Ingrid Booysen, Senior Cartographer at Dept. of Geography at UP for preparation of maps used in presentation
- All the members of the Adopt Moreletaspruit Forum and in particular Dr Mike Silberbauer for material and assistance in the preparation of the presentation

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ADOPT MORELETASPRUIT FORUM CONTACT DETAILS

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