water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

INKOMATI WATER RESOURCES CLASSIFICATION AND RQOs DETERMINATION: BACKGROUND

TTG MEETING 3

Date: 13 October 2014
Venue: IUCMA, Nelspruit

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BACKGROUND

- Two year study; commenced April 2013
- Output:

i. Management Classes

Classes	Description of use
Class I	**Minimally used**
Class II	**Moderately used**
Class III	**Heavily used**

ii. Resource Quality Objectives

MCs & RQOs

- Management Class defines the desired state of the water resources
- Resource Quality Objectives: provide measurable goals to achieve the Management Class

➢ RQOs are numeric or descriptive statements of conditions which should be met in the receiving water resource;

➢ RQOs represent the requirements for water quantity and quality to be maintained in aquatic ecosystems.

➢ They are targets that can be measured/audited.

RQOs DETERMINATION PROCEDURE

Step	Description
1	Delineate the IUAs and RUs
2	Establish the vision for the catchment
3	Prioritise and select RUs
4	Prioritise sub-components for RQO determination, select indicators for monitoring
5	Develop draft RQOs and numerical limits
6	Agree on Rus, RQOs and numerical limits with stakeholders
7	Gazette RQOs

PURPOSE OF TECHNICAL TASK GROUP MEETING

To obtain specialist stakeholder input with reference to:

- Prioritising and selecting groundwater Resource Units for RQO determination.
- Identifying the priority indicator components (water levels, gw quality, abstraction, baseflow) to be addressed at each prioritised Resource Unit.

EXPECTED OUTCOMES OF THE MEETING

- Confirmed and refined priority levels for groundwater RUs

- Identification of the priority indicator components (water levels, water quality, baseflow, abstraction) linked to different priority RUs.

- Identification of sub-components that may be important to users: e.g. different water quality variables.

THANK YOU