

Background to the WRCS cont...

- The Classification Process recommends a 'Class'
- The Class defines objectives for every significant water resource watercourse, surface water, estuary or aquifer
- Three classes minimally used, moderately used and heavily used
- Class describes the desired condition of the resource and the extent to which it can be utilized



Relevant provisions of the NWA

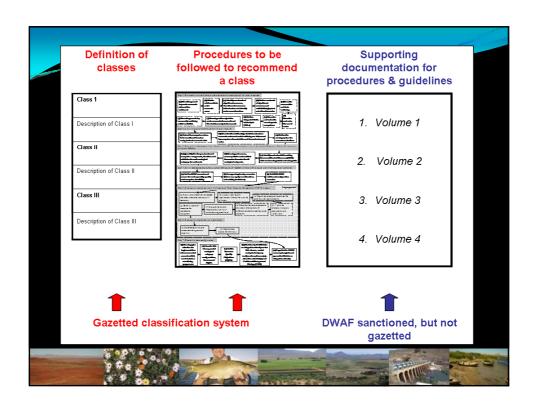
- Chapter 3 provides for the measures to ensure '... the comprehensive protection of water resources' protection for <u>use</u>
- Section 12 of Chapter 3 makes provision for the WRCS
- Section 13 makes provision for the Classification Process the outcome of which will be the setting of the Class, Reserve and Resource Quality Objectives (RQOs)

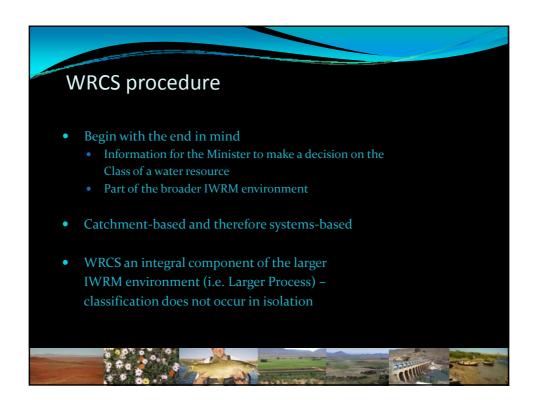


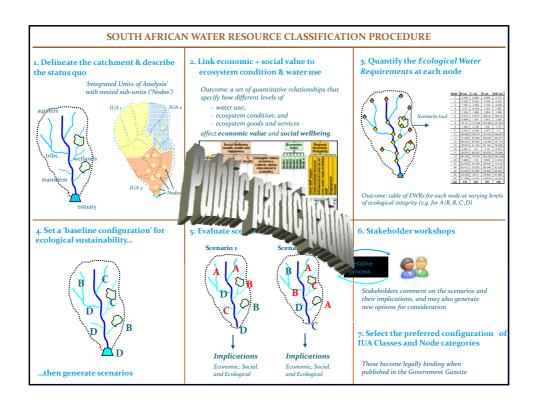
Relevant provisions of the NWA ...cont • The Class sets the boundaries for the volume, distribution and quality of the Reserve, and therefore informs the determination of allocable portion of a water resource for off-stream use (compulsory licensing) • The Class affects both ecosystem health and the amount of economic activity that relies on water supply • Class is also inherently political – past imbalances require redress

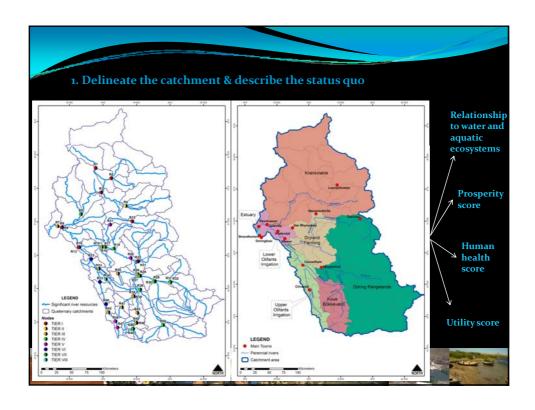
The process of developing the WRCS In guiding principles: | balance & trade-off for optimal use (scenarios) | sustainability | national interest & consistency | Transparency | Interdependency on hydrological cycle | legally defensible & scientifically robust | Management scales | Auditable and enforceable | High level of legitimacy with little contestation | Use of existing tools, data and Information

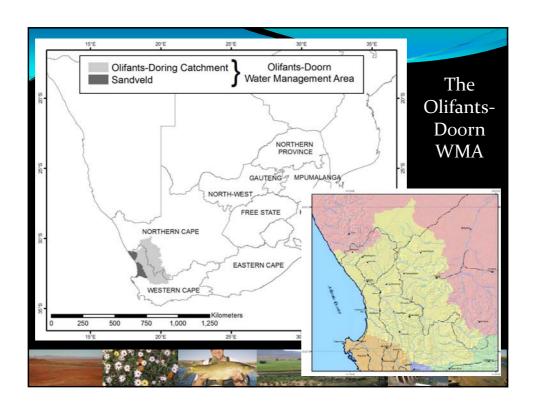


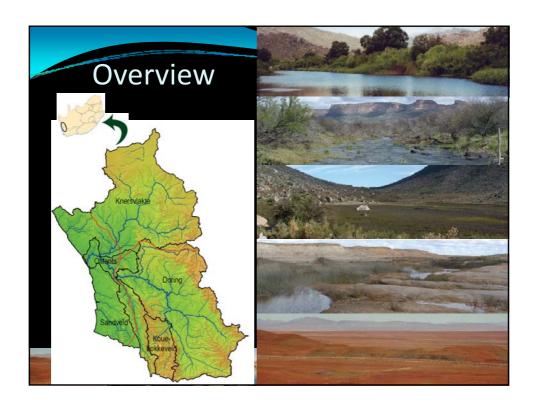


















1. Delineate the catchment & describe the status quo Value and use of water (economic sectors) Doring Range-lands Koue Bokke veld Lower Olifants Irrigation Olifants/ Doring Dryland Farming Upper Olifants Irrigation Descriptor TOTAL Estimated average turnover per ha: 60 000 40 385 60 000 40 385 43 810 60 000 High value crops 30 000 30 000 Medium value crops 30 000 30 000 30 000 30 000 Low value crops 12 500 12 500 12 500 12 500 12 500 12 500 Total turnover (R millions) 109 22 611 427 110 690 1 969 3 482 13 650 3 517 22 035 62 896 Management jobs 689 19 523 113 534 22 472 636 625 445 114 114 676 718 531 2 050 952 Value and use of aquatic ecosystems Fishery Fishers Total value (millions) Value from Olifants estuary (millions) 321 gill + 84 seine (+ crew) West Coast gill and seine R1.07 R18.1 West Coast commercial boa R341.71 210 R2.28 West Coast recreational shore and boat Total nursery value of Olifants estuary fish R3.45

