# Water Security for the Overberg



ABI in the Overberg Partners Meeting 15 May 2019

Paranta star Bankakar PAL



# GCTWF | Demand is Predicted to Outstrip Water Supply by 2021







GREATER CAPE TOWN WATER FUND BUSINESS CASE: Assessing the Return on Investment for Ecological Infrastructure Restoration

# GCTWF – Public & Private Partnership

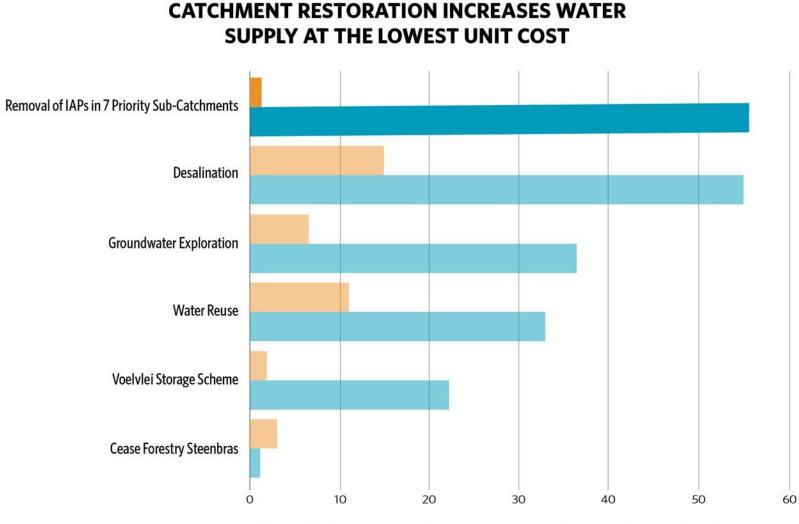


### GCTWF | Two-Thirds of Sub-Catchments are Invaded by Alien Plants









Unit Cost (URV in Rand/m<sup>3</sup>) Additional Water (Mm<sup>3</sup>/year)



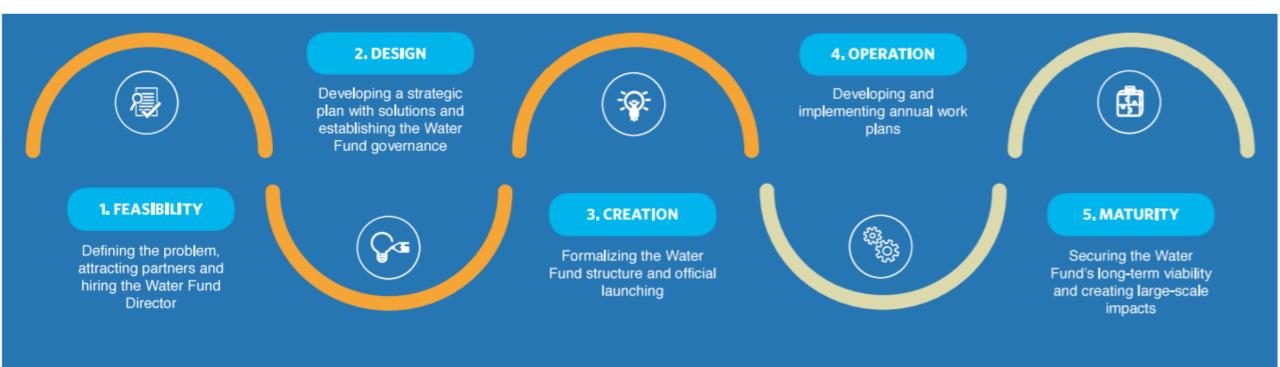
#### COST AND YIELD JOBS YEAR Water Yield (Mm<sup>3</sup>/year) Clearing Program Costs (Million Rand, 2018 prices) - - - Jobs

### TIMELINE OF ANNUAL COSTS, WATER YIELD BENEFITS, AND JOBS CREATED





# Water Fund Life Cycle



Setting Up a Water Fund

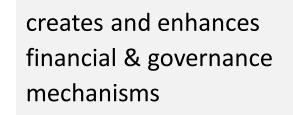
Running a Water Fund



# WATER FUND | What is a Water Fund?



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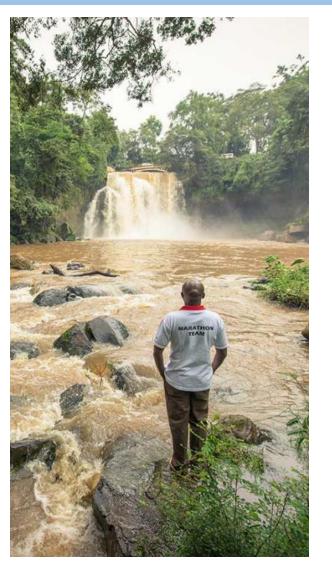


around a common goal to contribute to water security



through nature-based solutions & sustainable catchment management







# WATER FUND | What it is not



### water & sanitation

Department: Water and Sanitation REPUBLIC OF SOUTH AFRICA



South African National Biodiversity Institute





### environmental affairs

Department: Environmental Affairs REPUBLIC OF SOUTH AFRICA



BETTER TOGETHER.









- Capacity Building
- Networking
- Support



# FCOSYStem Integrity Domestic Water

satisfy household water and sanitation needs in all communities

Water

**Security** 

Resilience To Water Related Natural Disasters

build resilient communities that can adapt to climate change

#### Economic Wate

support productive onomies in agriculture

Environmental Water Security

restore healthy rivers, aquifers and ecosystems

#### Urban Water Security

Develop healthy, vibrant, livable cities and towns with a solid water culture



# WATER FUND | To consider

### Local aspects

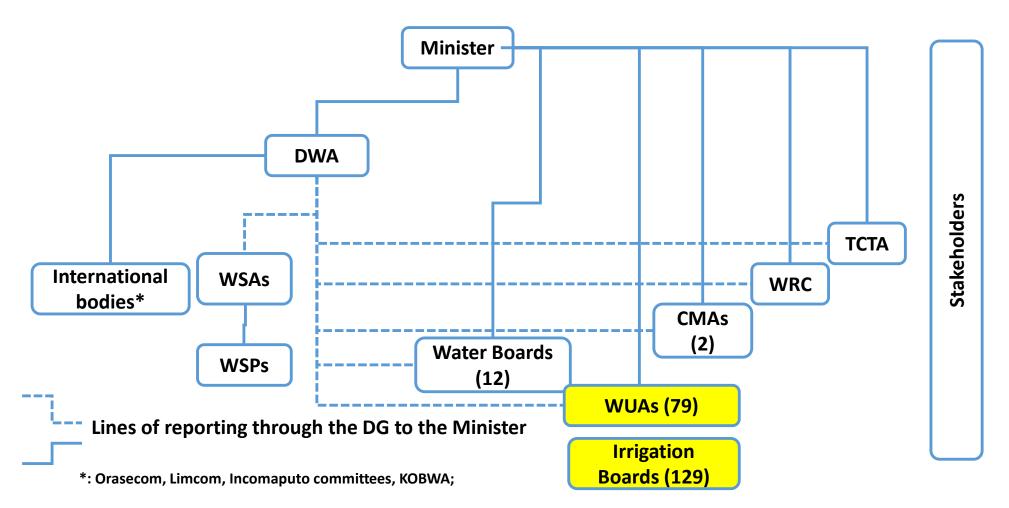
- 1. Domestic water security
- 2. Urban water security
- 3. Economic water security
- 4. Water management

### **Broader issues**

- 5. Risk and disaster management; resilience
- 6. Governance
- 7. Geography
- 8. Environmental
- 9. Land use

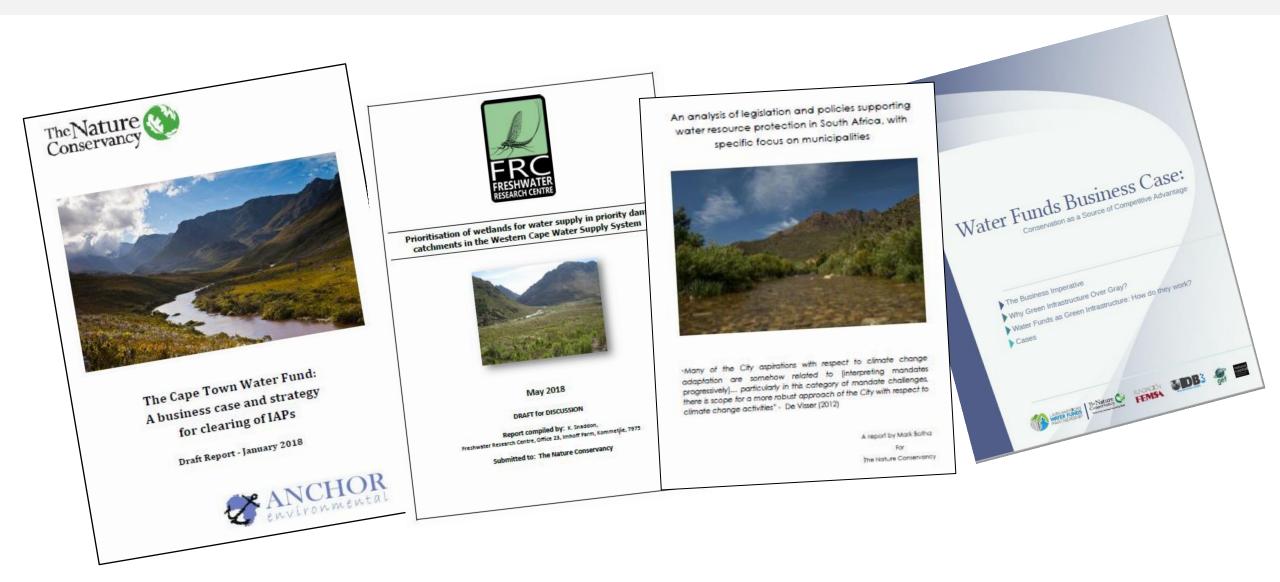


# **Current Institutional Arrangements**



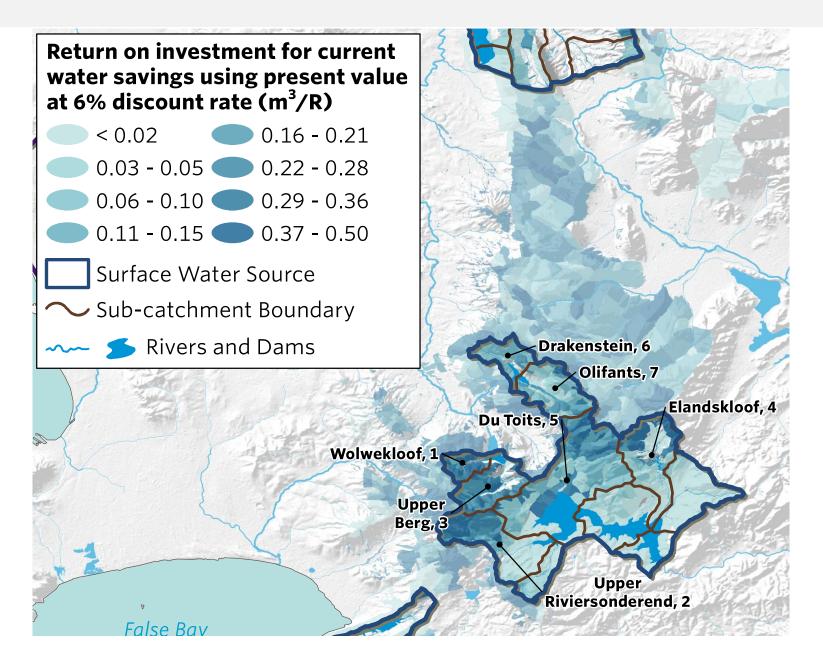
### GCTWF | Business case informed by science





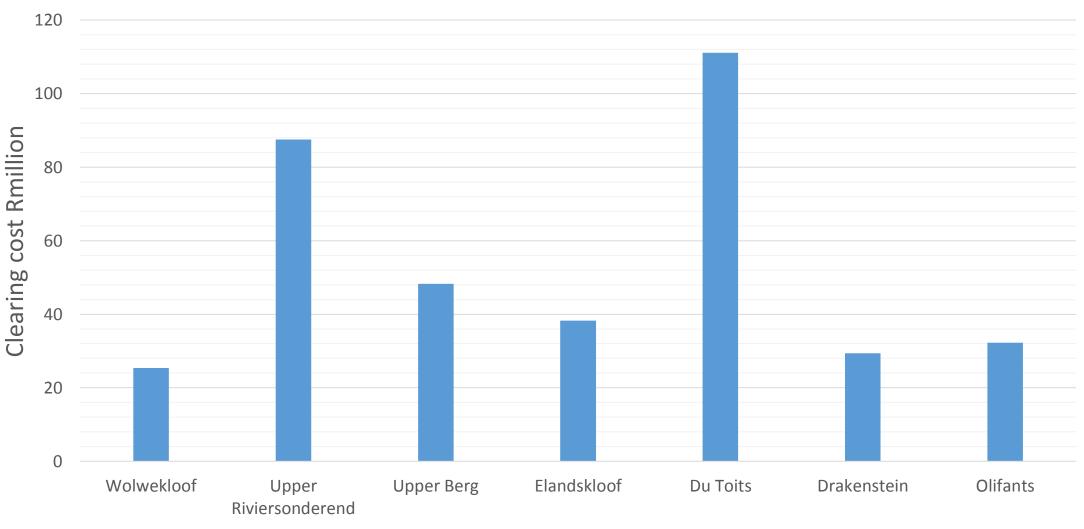
### GCTWF | Seven Priority Sub-Catchments Identified for Delivering Highest ROI





# GCTWF | R 372 million over 30 years





Priority sub-catchment

# WATER FUND | Role of a Water Fund

- Platform to envision, finance and improve water security
- Monitoring, research
- Influence water-related public policy, governance and decision making
- Encourage and drive projects using natural solutions
- Convene stakeholders to work collectively for impact at scale





# WATER FUND | Way forward





