GROUNDWATER GOVERNANCE “comprises the enabling framework and guiding principles for responsible collective action to ensure control, protection and socially-sustainable utilisation of Groundwater resources for the benefit of humankind and dependent ecosystems”.
GROUNDWATER INDUSTRY IN SOUTH AFRICA THUS NEEDS TO FORM AN INTEGRAL PART OF GROUNDWATER GOVERNANCE

- Partner with government
- Define roles and responsibilities
- Set up and police standards
IN ORDER FOR THIS TO REALISE THE GROUNDWATER INDUSTRY WOULD NEED TO ORGANISE ITSELF IN ORDER TO TAKE RESPONSIBILITY FOR THE VARIOUS SECTORS, i.e.

- Professional Hydrogeologists will need to be registered
- Contractors (Drillers, test pumping, pump installers etc) licensed
THIS WILL ENABLE RESPONSIBILITIES TO BE CLEARLY DEFINED AND DATA TO BE COLLATED IN A COMPREHENSIVE WAY

If you do not understand the resource and have no data to backup your understanding there can be no governance
Drilling of boreholes can occur almost anywhere without any requirement to record hydrogeological information.
Boreholes can be tested and equipped by anyone
Department of Water Affairs and Forestry

Chief Directorate: Community Water Supply and Sanitation
and
Directorate: Geohydrology

MINIMUM
STANDARDS AND GUIDELINES FOR
GROUNDWATER RESOURCE DEVELOPMENT
FOR THE
COMMUNITY WATER SUPPLY
AND
SANITATION PROGRAMME

FIRST EDITION
APRIL 1997
Monitoring
Data Collation
Centralised accessible data storage

### GRIP LIMPOPO

#### GRIP Project

- **Date of Visit:** yyyy/mm/dd
- **Captured:**
- **Reporting Institution:**
- **Reg. BH Nr.:** H
- **1:50000 Map Ref.:**
- **Site ID Code:**

#### Borehole Field Data Sheet

- **District:**
- **Municipality:**
- **Alt. BH Nrs.:**
- **Rep. Institution:**

#### Farm/Site Name

- **Farm:**
- **prtn Village:**

#### Province/District/Farm Nrs.

- **Province:**
- **District:**
- **RegDistrict:**
- **Farm:**

#### Site

- **Site:**
- **Status:**
- **D:** Destroyed
- **G:** In Use
- **U:** Unused
- **Time:** h

#### Coordinate Ref. Point

- **Coordinate:**
- **Method:** M Interpolate
- **Coordinate Accuracy:**

#### Site Type

- **Site Type:** B, D, F, H, W, Z

#### Purpose

- **Purpose:** E, M, O, P, R, S, W, Z

**Altitude:** m

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**WSM LESHIKA Consulting (PTY) LTD**
Manage the abstraction scheme
Understand the groundwater system

Need to obtain the right to use water

- Schedule 1 use
- General Authorisation
- Existing lawful use
- Water Use License
GROUNDWATER INDUSTRY IS A CRUTIAL PARTNER IN GROUNDWATER GOVERNANCE:

- Has enormous capacity
- Experience
- Local knowledge
- Innovative
- Can draw on international experience
GROUNDWATER DEVELOPMENT PROJECTS SHOULD INCLUDE:

- Resource evaluation
- Impacts on other users and the environment
- A management plan
- A monitoring programme
- Licensing requirements
- Auditing and compliance