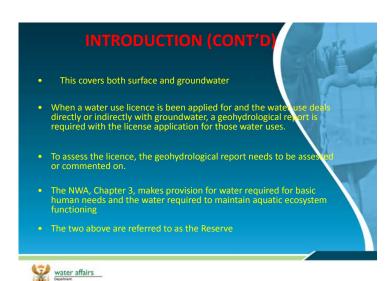
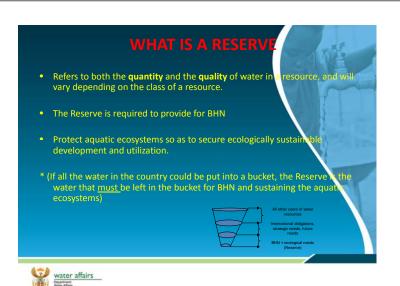


## South Africa is a water Scare country and in order to manage this scarresources, we need to know how much water is used, by whom and where. Once this is known, we will able to measure it against how much water is actually available for use. The National Water Act (Act 36 of 1998) gives the Department of Water Affairs the tools to gather information for the optimal management of our water resources. The registration of water use is one of the tools. The registration of water use is required for all water users who do not receive their water from a service provider, local municipality, water board, irrigation board, government water scheme or other bulk supplier and who is using water for irrigation, mining purposes, industrial use, feedlots, or in terms of General Authorisation\*







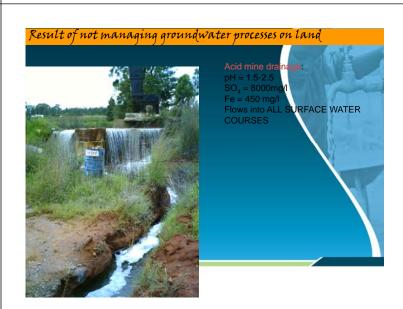












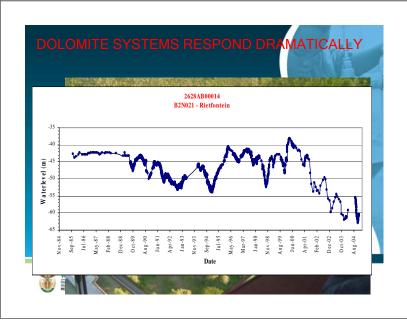


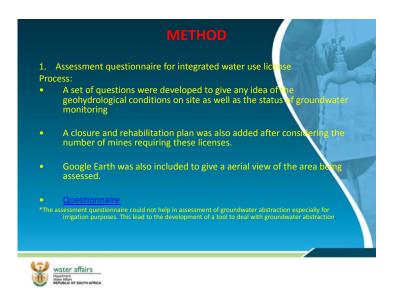


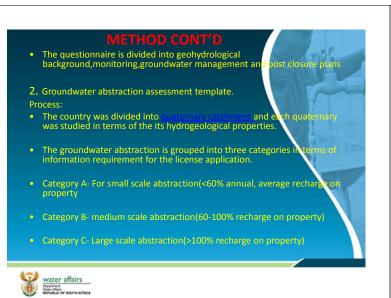
## Groundwater abstraction assessment Template (The volume to be extracted is usually given and Impact is only on resource volume, but the worst scenario is ground stability issues). This usually occurs when the groundwater supports the ground stability and it is dewatered, it leads to sinkholes because the water especially in dolomitic aquifer is in cavities. Some examples are shown with pictures

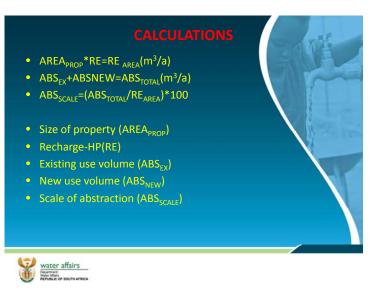
Water affairs
Department
Water Affairs
REPUBLIC OF SOUTH AFRICA

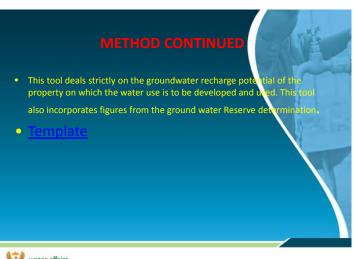








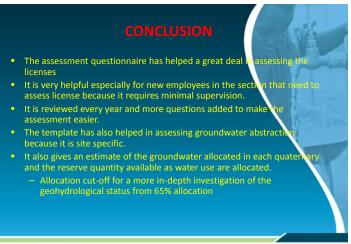






Water affairs
Department
Water Affairs
REPUBLIC OF SOUTH AFRICA







## Department of Water Affairs for giving me the opporturity to participate in this conference

- Mr. E. van Wyk (supervisor) for developing these tools.
- Nancy Motebe (co-author) who makes sure the Reserves are done
- T. Chetty (GIS) who generate the template variables and last but no
- My husband Jonathan for looking after the kids so that I can be here took





