



Filling your *knowledge* on the Mabalingwe *dams*

It has been ten years since our first dam safety report for all six dams on Mabalingwe. Our latest report from the dam engineer proposed some preventative maintenance actions we should take over the next three years to ensure we abide by the dam safety measures prescribed by law.

The **Boschpoort** dam is registered as a category two dam in terms of the national water act due to its capacity of 97 400m³ and 8.7m high embankment. Most of the work on this dam was done in 2013.

The **Kubu** dam has an 8.5m high embankment and a storage capacity of 51 900m³. Maintenance on this dam will include clearing vegetation from the dam wall and sloping the dam wall to an acceptable gradient. The Kubu dam will take priority in our 2023 dam maintenance plan.

The **Klipspringer** dam has an 8.8m high embankment and a storage capacity of 16 300m³. Short-term actions to be taken will include the clearing of vegetation on the dam wall. Long-term maintenance will include

sloping the downstream wall to a more acceptable gradient.

"**Basie-se-dam**" has a 4,6m embankment with a storage capacity of 63 900m³. The long-term plan is to rip the wall and compact it to a level surface.

There are two dams on the private Gorcum farm Share block: the Gorcum dam and the Huilboom dam.

The **Huilboom** dam is silted up to almost the entire water line, producing very little threat to the greater scheme of things.

The **Gorcum** dam is the most significant in volume (193 000m³) and height (13.4m). Actions to be taken on this dam include reparation to prevent seepage through the embankment, compacting the dam's crest to make it more even and lifting the dam's crest by 400mm to increase the freeboard.

The Board of directors of the MCPA is in constant communication with the responsible people of the Gorcum farm Share Block to ensure that the safety measures are met.



All our dam signage has been replaced in accordance with dam safety regulations.